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ABSTRACT

The seventh annual study of occupational opportunities in Nebraska reflects State manpower needs and trends as revealed by employer listings (number of persons employed, job duties of persons employed, and a projection of future needs). A 5 percent random sample was generated from the revised master list of employers for each of the six State technical community college areas. Job descriptions were coded by job title and number using the "Dictionary of Occupational Titles" (D.O.T.) and related to a corresponding instructional training program and number according to "Vocational Education and Occupations." Part 1 consists of tabular projections by occupational titles while part 2 includes tabular projections of need by occupational divisions according to areas of: professional, technical, and managerial occupations; clerical and sales; service; farming, fishery, forestry, and related occupations; processing; machine trades; bench work; structural work; miscellaneous; and occupations with no D.O.T. number. Part 3 tabulates needs by the seven major areas of vocational education (agricultural, distributive, health, home economics, office, technology, and trade/industrial occupations) and lists only those job titles with a corresponding vocational instructional training program. Except for brief summarization, the document contents consist of tabulated data.

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**OCCUPATIONAL
OPPORTUNITIES
IN NEBRASKA**

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1974 REPORT

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From
**STATE-WIDE COMPUTERIZED MODEL FOR DETERMINING
OCCUPATIONAL OPPORTUNITIES IN NEBRASKA**

June, 1974

By
**NEBRASKA RESEARCH COORDINATING UNIT
FOR VOCATIONAL EDUCATION**
University of Nebraska
In Cooperation With
State Department of Education
Division of Vocation Education
and
The Nebraska State Board
for Technical Community Colleges

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The Nebraska State Department of Education, Division of Vocational Education
The Department of Labor, Division of Employment
The Nebraska State Advisory Council for Vocational Education
The University of Nebraska Staff and Review Committee
The Nebraska State Board for Technical Community Colleges

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REPORT OF STATE-WIDE MODEL FOR DETERMINING OCCUPATIONAL OPPORTUNITIES IN NEBRASKA

SUMMARY

INTRODUCTION

This is the seventh annual study to identify occupational opportunities in the state of Nebraska. This study reflects changes intended to make the study useable by a larger segment of educational planners throughout the state. The method of gathering data remained the same as previous years, however, the five percent sample was generated once for each of the Technical Community College Areas to insure a more representative sample by area.

The emphasis of this study is to determine manpower needs and trends through asking employers to list the number of persons employed, job duties of persons employed (job description), and to project future needs according to these job descriptions.

The data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*¹ and related to a corresponding instructional training program and number according to *Vocational Education and Occupations*.² Both documents are necessary references when using the 1974 *Occupational Opportunities Report* as a program planning base. Use of the *Dictionary of Occupational Titles* as the primary coding system allows the identification of many professional level occupations that do not have training programs listed under vocational education. This facet of the study would promote an overall perspective of occupations in Nebraska.

DELIMITATIONS

Fluctuations of employer listings within the master file were a delimiting factor to the study. Since employers move in and out of business throughout the state there is continuous change in the total numbers within the employer master file. Partial up-dating was possible through the Department of Labor, Division of Employment.

No allowance was made for the seasonal labor "peaks" and "lows" common in work areas. All part-time and seasonal employees were equated in terms of full-time equivalents.

The fluctuations caused by small sampling accounts for variations in certain instructional training areas from one year to another. This variation was evident when comparing all previous yearly studies.

Another delimitation common to all the studies was that the data has been obtained exclusively from employers.

Employers tend to over- or under-estimate, depending on labor and economic trends.

Self-employed persons are not accounted for within this study with the exception of self-employed farmers.³

No attempt has been made within the study to align Instructional Training Programs with actual training programs offered within the state. The training programs listed were the programs designated for identified job titles by the U.S. Office of Education Classification System identified in *Vocational Education and Occupations*.

PROCEDURE

The updating of the master list of employers in the state was accomplished through the removal of firms no longer in existence and the addition of new firms. The original master list was compiled from the following sources: (1) IRS 941 (firms employing one or more persons); (2) IRS 942 (domestic help); (3) IRS 943 (farmers and ranchers employing hired labor); (4) the Division of Employment of the State Department of Labor (out-of-state firms with in-state locations, and federal, state, local tax exempt agencies); and (5) the State Tax Commissioner (the State Business Master File).

Updating of the master list for this study was done by deleting firms no longer in existence using a compiled list from the Division of Employment of the Nebraska Department of Labor, and adding new firms from the ES 202 listing. Additional firms were dropped from the master list as "dead" firms where identified by interviews in 1973.

The master list of employers was sorted by postal zip codes into the six Technical Community College areas and a five percent random sample was generated for each of the six areas (Appendix A). Each employer was interviewed to determine the number of persons employed, job duties of each employee (job description), numbers of persons needed for the next twelve months and the following two years. Data supplied by employers as job descriptions were coded by job title and number using the *Dictionary of Occupational Titles*. Instructional training programs for D.O.T. titles were identified through Part II of the U.S. Office of Education publication, *Vocational Education and Occupations*.

A computerized straight line projection technique was used to project: total employed, need next twelve months, reason for need, and need for the following two years.

¹U. S. Department of Labor, *Dictionary of Occupational Titles* (Vol. I, Third Edition), U. S. Government Printing Office, Washington, 1965.

²U. S. Office of Education, *Vocational Education and Occupations* OE-80061, U. S. Government Printing Office, Washington, 1969.

³Nebraska Department of Agriculture, *Nebraska Agricultural Statistics*, Annual Report 1972, Preliminary 1973 (Lincoln: State-Federal Division of Agricultural Statistics, June 1974)

EXPLANATION OF TABLES

Table 1, Summary by Occupational Category, lists the total projected employment and need as classified by the *Dictionary of Occupational Titles*. Also, included in Table 1 is a breakdown of Occupational Categories by percent of total employment and future need. Tables 2 through 11, Occupational Group Arrangement of Titles and Codes, show projected employment and future need for the state and by Technical Community College Area. These tables include the corresponding Instructional Training Program as listed in *Vocational Education and Occupations*. An asterisk appearing in the Instructional Training Program column indicates job titles which do not have corresponding Instructional Training Program listed in the *Vocational Education and Occupations* document.

Tables 12 through 21 reflect employment opportunities, determined from employer interview, by need related to *expansion, retirement, promotion and turnover*. These tables are grouped by major two digit Occupational Divisions showing need for the state and by Technical Community College Areas. Need for the following two years, beyond the twelve month projection, was based upon employer estimates.

All data, Tables 1 through 30, are composite (average) figures from the 1973 and 1974 employer interviews. Combining the yearly figures minimizes fluctuations found in single year sample data. This procedure also allows data application to a larger group of job titles and program classifications.

Subtotals are listed following each Occupational Group (three-digit) or Occupational Division (two-digit) and totals are listed at the end of each Occupational Category (one-digit).

SUMMARY OF OCCUPATIONAL CATEGORIES

Data presented in Table 1 indicates projected employment of Occupational Categories as compiled from the Occupational Groups (Tables 2 through 11). The following breakdown lists totals by group in order of size for the 1974 Report.

Clerical and Sales Occupations represented the largest Occupational Category with 189,680 persons now employed or 28.9 percent of the total projected present employment. The Clerical and Sales Occupations encompassed 266 Job Titles (picked up on the 1974 Survey), 7 different Vocational Technical Areas, 249 Job Titles with Instructional Training Programs and 17 Job Titles with no identified Instructional Training Program in the *Vocational Education and Occupations* document.

Professional, Technical, and Managerial Occupations, the second largest Occupational category with 119,191 persons now employed, represented 18.2 percent of the total projected employment. This area of 333 Job Titles involved

7 different Vocational Technical Areas, 172 Job Titles with Instructional Training Programs and 161 Job Titles with no identified Instructional Training Program.

Farming, Fishery, Forestry and Related Occupations, the third largest Occupational Category with 85,830 persons now employed, represented 13.1 percent of the total projected employment. This area of 59 Job Titles involved 1 Vocational Area, 51 Job Titles with Instructional Training Programs and 8 Job Titles with no identified Instructional Training Program.

Service Occupations, the fourth largest Occupational Category with 83,320 persons now employed, represented 12.5 percent of the total projected employment. This area of 120 Job Titles involved 5 different Vocational Areas, 95 Job Titles with Instructional Training Programs and 25 Job Titles with no identified Instructional Training Program.

Structural Work Occupations, the fifth largest Occupational Category with 64,720 persons now employed, represented 9.8 percent of the total projected employment. This area of 148 Job Titles involved 1 Vocational Area, 112 Job Titles with Instructional Training Programs and 36 Job Titles with no identified Instructional Training Program.

Miscellaneous Occupations, the sixth largest Occupational Category with 44,770 persons now employed, represented 6.8 percent of the total projected employment. This area of 102 Job Titles involved 4 different Vocational Areas, 53 Job Titles with Instructional Training Programs and 49 Job Titles with no identified Instructional Training Program.

Machine Trades Occupations, the seventh largest Occupational Category with 37,340 persons now employed, represented 5.7 percent of the total projected employment. This area of 135 Job Titles involved 3 different Vocational Areas, 100 Job Titles with Instructional Training Programs and 35 Job Titles with no identified Instructional Training Program.

Processing Occupations, the eighth largest Occupational Category with 16,770 persons now employed, represented 2.5 percent of the total projected employment. This area of 77 Job Titles involved 2 different Vocational Areas, 33 Job Titles with Instructional Training Programs and 44 Job Titles with no identified Instructional Training Program.

Bench Work Occupations, the ninth largest Occupational Category with 13,510 persons now employed, represented 2.1 percent of the total projected employment. This area of 78 Job Titles involved 3 different Vocational Areas, 51 Job Titles with Instructional Training Programs and 27 Job Titles with no identified Instructional Training Program.

Occupations with no DOT Numbers, the tenth largest Occupational Category with 2,380 persons now employed, makes up 0.4 percent of the total projected employment. This area is made up of 8 Job Titles with no Vocational Areas nor Instructional Training Programs.

TABLE 1
SUMMARY BY OCCUPATIONAL CATEGORIES

OCCUPATIONAL CATEGORIES	Projected Employment		Projected Future Needs	
	Number	Percentage of Total	Number	Percentage of Total
Professional, Technical and Managerial Occupations	119,191	18.2	11,200	9.0
Clerical and Sales Occupations	189,680	28.9	34,720	28.0
Service Occupations	82,320	12.5	19,360	15.6
Farming, Fishing, Forestry, and Related Occupations	85,830	13.1	9,591	7.7
Processing Occupations	16,770	2.5	5,100	4.1
Machine Trades Occupations	37,340	5.7	7,630	6.2
Bench Work Occupations	13,510	2.1	3,190	2.6
Structural Work Occupations	64,720	9.8	16,060	12.9
Miscellaneous Occupations	44,770	6.8	16,340	13.1
Occupations with no DOT Number	2,380	.4	960	.8
Total	656,511		124,151	
				140,702

^aIncludes self-employed farmers, Nebraska Department of Agriculture. *Nebraska Agricultural Statistics Annual Report 1972, Preliminary 1973* (Lincoln: State-Federal Division of Agricultural Statistics, June, 1974).

^bGenereaux, Douglas. *Annual Estimated Replacement Farmer Opportunities in Nebraska, Agricultural Education Department Report No. 3*. (Lincoln: University of Nebraska, March, 1967), p. 6 (Mimeo graphed).

TABLE 2
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM													
		Total State Projected Employment		Area I		Area II		Area III		Area IV		Area V		Area VI	
DOJ Number	Job Title	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need
001.081	Architect	550	10	0	-	50	10	30	0	110	10	350	20	10	*
001.281-010	Draftsman, Architectural	560	20	10	10	0	40	0	60	10	90	0	340	30	17.13 Drafting
003.081	Electrical Engineer	210	-	-	-	-	-	-	-	-	-	-	-	50	*
003.181	Electronic Engineer	30	10	0	20	0	-	-	-	-	-	-	-	-	*
003.181-010	Electrical Technician	20	-	-	-	-	20	0	-	-	-	-	-	-	0
003.181-014	Electronic Technician	80	10	10	10	10	-	-	60	10	10	-	-	-	0
003.187	Radio Engineer	20	-	-	-	-	-	-	-	-	-	20	0	0	*
003.281-010	Draftsman, Electrical	90	-	-	-	-	-	-	-	10	0	80	0	0	17.13 Drafting
003.281-014	Draftsman, Electronic	10	-	-	10	3	-	-	-	-	-	-	-	0	17.13 Drafting
003.281-026	Instrumentation Technician	80	-	-	-	-	-	-	70	30	30	10	0	30	16.0112 Instrumentation Technology
005.081	Civil Engineer	1,020	40	0	30	0	-	-	570	86	380	100	170	0	*
005.081	Structural Engineer	60	-	-	-	-	-	-	-	-	-	60	0	0	*
005.281-014	Draftsman, Civil	610	70	40	40	10	-	-	250	30	250	150	270	17.13 Drafting	
005.281-018	Draftsman, Structural	120	10	0	-	-	-	-	30	0	80	0	0	0	17.13 Drafting
007.081	Mechanical Engineer	1,320	-	-	-	-	-	-	50	0	250	0	1,020	30	80
007.081	Refrigeration Engineer	40	-	-	-	-	-	-	-	-	-	40	0	0	*
007.081-066	Tool Designer	180	-	-	-	-	-	-	20	10	160	150	180	0	16.0113 Mechanical Technology
007.151	Heating Engineer	60	-	-	-	-	-	-	-	-	-	60	0	0	*
007.181-022	Engineering Assistant, Mechanical Equipment	10	-	-	-	-	-	-	-	-	-	-	10	10	0
007.181-026	Mechanical Engineering Technician	380	-	-	-	-	-	-	280	0	100	0	0	0	16.0113 Mechanical Technology
007.281-014	Draftsman, Mechanical	840	-	-	-	10	10	0	160	10	660	30	100	17.13 Drafting	
008.081	Chemical Engineer	90	-	-	-	-	-	-	-	-	90	0	0	*	
010.081	Petroleum Engineer	310	10	0	-	-	-	-	-	-	300	6	0	*	
010.281-030	Field Engineer, Specialist	900	-	-	-	-	-	-	-	-	-	900	150	200	16.0116 Petroleum Technology
010.288-030	Surveyor, Oil-Well Directional	10	10	0	-	-	-	-	-	-	-	-	-	-	0
012.168-022	Systems Analyst, Business-Industrial Engineering	170	-	-	10	0	-	-	-	110	20	50	10	10	0
012.188	Time-Study Engineer	90	-	-	-	-	-	-	-	90	0	-	-	0	14.0204 Systems Analysis
012.288-010	Industrial Engineering Technician	80	-	-	-	-	-	-	-	-	-	-	-	-	0
017.281-038	Draftsman, Apprentice	90	-	-	20	0	-	-	10	100	50	0	10	0	16.0117 Industrial Technology
018.188	Surveyor, Helper	310	50	40	20	0	-	-	30	0	210	60	-	-	*
018.587	Surveyor, Surveyor	10	-	-	10	20	-	-	-	-	-	-	130	0	0
019.281-014	Office-Lay-Out-Service Man	20	-	-	-	-	-	-	-	-	-	20	0	-	0
019.281-018	Quality-Control Technician	160	-	-	-	-	-	-	-	-	-	20	10	0	16.0499 Office Related Technology
												20	10	80	40

OCCUPATIONAL GROUP

Job Title	Job Function	Number	INSTRUCTIONAL TRAINING PROGRAM												H-F-W Number	Program
			Total State Projected Employ- ment	Area I 12 Month Need	Area II 12 Month Now	Area III 12 Month Need	Area IV 12 Month Now	Area V 12 Month Need	Area VI 12 Month Now	Area VII 12 Month Need	Total State Projected 2 Year Need	H-F-W Number	Program			
019.288.018 Specification Writer, Engineering	Subtotal		8.540	240	100	180	40	120	20	220	10	9	0	1.350	0	16.0106 Structural Technology
Mathematics and Physical Sciences																
020.088 Operations-Research Analyst		90														
020.168.005 Programmer Chief, Business		60					10	10			50	10				0
020.188 Actuary		120														0
020.188 Financial Analyst		120														0
020.188-026 Programmer, Business		350														30
020.188 Statistician		50														30
022.081 Chemist		120				10	0				50	10				10
022.281-014 Chemical-Laboratory Technician		310														10
023.081 Physicist		10														0
029.281-018 Laboratory Tester I		140														0
029.381-034 Laboratory Tester II		80														0
Subtotal		1.450														180
Life Sciences																
040.081 Agronomist		10						10	0							0
040.081 Dairy Technologist		10														0
040.081-074 Soil Conservationist		340	50	0				70	20	70	0	110	0			40
040.081 Soil Scientist		20									20	0				0
041.081 Biochemist		150										150	0			0
041.081 Biologist		30														130
041.081 Microbiologist		20					10	0								0
041.181 Histopathologist		50														0
045.108 Counselor II		260	50	0	10	0			10	50	0	100	0			50
045.108 Psychologist		340	10	0						10	0	270	30			20
Subtotal		1.330	110	0	30	0		80	30	150	0	630	30			330
Social Sciences																
050.088 Economist		300						10	0	10			280	70		20
050.088-034 Market-Research Analyst		30														30
050.118 Manager, Research, and Planning Director		200														0
Subtotal		530									10	0				10
																480

Advertising Services
04.01
16.0105 Chemical Technology
14.0203 Programming
14.0203 Programming
16.0105 Chemical Technology
16.0203 Food Processing Technology
16.0105 Chemical Technology

INSTRUCTIONAL TRAINING PROGRAM											
OCCUPATIONAL GROUP		D O T Number	Job Title	Total State Protected Employ- ment		Area I		Area II		Area III	
Total State Protected	Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	
Medicine and Health											
070.081	Pathologist	60	-	-	-	-	-	-	-	0	
070.101	Surgeon I	110	10	0	30	0	-	-	30	0	
070.108	Anesthesiologist	20	-	-	20	0	-	-	-	0	
070.108	Cardiologist	20	-	-	-	-	-	-	20	0	
070.108	Dermatologist	10	-	-	-	-	-	-	10	0	
070.108	General Practitioner	2,720	100	0	320	30	240	20	250	30	
070.108	Neurologist	40	-	-	-	-	-	-	40	0	
070.108	Obstetrician	10	-	-	-	-	-	-	10	0	
070.108	Ophthalmologist	50	-	-	-	-	-	-	30	0	
070.108	Radiologist	120	-	-	-	-	-	-	60	0	
071.108	Osteopathic Physician	10	-	-	10	0	-	-	-	0	
072.108	Dentist	1,090	30	10	180	0	60	0	150	0	
073.108	Veterinarian	490	80	0	20	0	60	0	200	0	
073.381-010	Laboratory Technician, Veterinary	110	20	0	-	-	50	0	30	0	
074.181	Pharmacist	1,260	80	10	210	0	60	10	150	20	
074.387	Pharmacy Helper	150	-	-	10	0	10	0	110	0	
075.128	Nurse, Head	250	20	0	70	0	10	0	60	0	
075.378-010	Nurse, Anesthetist	50	10	0	-	-	-	-	40	0	
075.378-014	Nurse, General Duty	9,010	830	30	1,430	60	760	50	660	90	
075.378-022	Nurse, Private Duty	30	-	-	-	-	-	-	660	90	
077.128	Nutritionist	50	-	-	-	-	-	-	10	0	
077.168	Dietician	190	40	20	30	0	10	0	10	0	
078.281-010	Biochemistry Technologist	220	-	-	-	-	-	-	30	0	
078.281-018	Medical Technologist	1,220	19	0	10	0	60	10	10	0	
078.368-014	Dental Hygienist	100	-	-	10	0	-	-	40	0	
078.368-018	Electrocardiograph Technician	140	-	-	10	10	-	-	20	0	
078.368-022	Electroencephalograph Technician	80	-	-	-	-	-	-	10	0	
078.368-026	Orthotist	20	-	-	-	-	-	-	-	0	
078.368-026	Prosthetist	30	-	-	-	-	-	-	-	0	
078.368-030	Radiologic Technologist	820	40	0	140	10	40	0	50	0	
078.381-010	Medical-Laboratory Assistant	490	20	0	70	0	50	0	220	0	
078.381-014	Nuclear-Medical Technologist	60	-	-	10	0	-	-	-	0	
078.381-018	Tissue Technologist	30	-	-	-	-	-	-	-	0	
079.108	Audiologist	90	60	0	10	0	-	-	10	0	
079.108	Chiropractor	40	-	-	10	0	-	-	10	0	
079.108	Optom.	210	40	10	60	0	-	-	90	10	
079.108	Podiatrist	80	-	-	10	0	-	-	50	0	
079.108	Speech Clinician	30	-	-	20	0	-	-	30	0	

Total State
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INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		D.O.T. Number		Job Title		Area I		Area II	
Total State Projected Employment	State Projected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now
079.108 Speech Pathologist	10	-	-	-	-	-	-	-	-
079.128 Occupational Therapist	40	10	0	-	-	-	-	-	-
079.128 Recreational Therapist	80	-	-	30	0	-	-	-	-
079.128 Supervisor, Auxiliary Personnel	40	-	-	10	10	-	-	10	10
079.368-018 Inhalation Therapist	300	60	0	10	0	-	-	220	70
079.368-022 Medical Assistant	540	40	0	50	10	30	0	270	10
079.368-026 Occupational Therapy Aid	20	10	0	10	0	-	-	-	-
079.378-010 Dental Assistant	1,090	30	10	170	16	80	20	310	30
079.378-026 Nurse, Licensed Practical	3,840	1,150	30	750	110	270	40	150	20
079.378-030 Orthoptist	50	-	-	-	-	-	-	50	0
079.378 Physical Therapist	240	30	0	30	0	20	0	-	-
079.378-042 Surgical Technician	140	140	0	-	-	-	-	-	-
Subtotal	25,900	2,860		120	3,720	260	1,820	150	2,000
Education									
090.118 President, Educational Institution	190	-	-	20	0	-	-	80	0
090.228 Faculty Member, College or University	820	-	-	100	0	-	-	720	0
091.118 Superintendent, Schools	1,440	180	0	290	10	120	0	340	30
091.228 Teacher, Secondary Schools	9,810	1,040	20	1,970	230	940	60	1,950	180
092.228 Teacher, Elementary Schools	9,560	1,120	20	1,650	140	840	100	2,296	2,030
094.228 Teacher, Blind	90	-	-	-	-	-	-	110	1,610
094.228 Teacher, Mentally Retarded	520	90	0	10	10	110	0	140	0
096.128-014 County-Agricultural Agent	300	-	-	50	10	30	0	200	20
096.128 County-Home-Demonstration Agent	30	-	-	10	0	-	-	20	0
096.162 Work-Control Supervisor	20	-	-	-	-	-	-	20	0
097.228 Instructor, Vocational Training	90	70	0	-	-	-	-	20	0
099.118 Director, Educational Program	30	10	0	-	-	10	0	-	-
099.168 Audiovisual Specialist	20	-	-	-	-	20	10	-	-
099.168 Educational Specialist	60	30	0	-	-	10	0	-	-
099.228 Athletic Coach	10	-	-	-	-	-	-	-	-
Subtotal	22,900	2,520		40	4,340	400	2,080	170	5,020
Museum, Library & Archival Sciences									
100.168 Librarian	240	50	0	20	0	10	0	20	10

INSTRUCTIONAL TRAINING PROGRAM																						
D.O.T. Number	Job Title	Total State Employment	Projected Employment	Area I				Area II		Area III		Area IV		Area V		Area VI		Total State	Projected	H.E.W. Number	Program	
				12 Month Need	Now																	
130.388	Medical-Records Librarian	30	10	0	0	20	0	10	0	20	0	310	20	910	70	1,990	100	270	0	0	0	
	Subtotal	270	60	0	0	20	0	10	0	20	0	80	0	10	0	80	10	20	0	0	0	
Law and Jurisprudence																						
110.108	Lawyer	3,710	150	10	200	20	150	10	10	0	20	0	10	0	10	0	100	0	270	0	0	0
110.118	Insurance Attorney	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110.118	Tax Attorney	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110.118	Title Attorney	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111.108	Judge	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119.288	Abstracter	360	40	0	0	20	0	10	0	20	0	20	0	70	0	200	80	180	0	0	0	0
119.288	Law Clerk	290	10	0	0	10	0	0	0	10	0	0	0	110	30	150	20	50	0	0	0	0
	Subtotal	4,480	200	10	0	270	30	160	0	370	20	1,110	100	0	0	2,370	200	500	0	0	0	0
Religion and Theology																						
120.108	Clergy	880	70	10	130	0	100	0	10	10	130	30	160	0	20	290	20	290	20	40	40	0
	Subtotal	880	70	10	130	0	100	0	10	10	130	30	160	0	20	290	20	290	20	40	40	0
Writing																						
130.088	Literary Writer	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131.068	News Analyst, Broadcast	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131.088	Continuity Writer	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132.018	Editor, Newspaper	330	70	0	110	0	60	0	30	0	30	0	0	0	0	0	0	0	0	0	0	0
132.038	Editor, Department	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132.068	Columnist	190	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132.068	Editor, Magazine	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132.088-010	Copywriter	140	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132.268	Reporter	660	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139.288	Writer, Technical Publications	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Subtotal	1,510	230	0	140	0	150	0	150	0	150	0	0	0	0	0	0	0	0	0	0	0
Art																						
141.081-010	Advertising Lay-Out Man	200	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.081-014	Art Lay-Out Man	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141.168-010	Production Manager, Advertising	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142.031-010	Manager, Display	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142.051-014	Interior Designer & Decorator	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142.081-022	Commercial Designer	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142.081-050	Floral Designer	610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM											
		Total State Employment	Protected Employment	Area I	Area II	Area III	Area IV	Area V	Area VI	Total State	Projected 2 Year Need	H.F.W. Number	Program
DOT Number	Job Title	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now
142.081-054	Furniture Designer	10	-	90	60	-	-	-	-	10	0	0	0
142.081-078	Industrial Designer	110	-	-	-	-	-	-	-	20	10	310	17.0703 Product Design
142.081-118	Sign Designer	20	-	-	-	-	-	-	-	20	0	10	17.0703 Product Design
143.062-022	Manager, Photograph Gallery or Studio	290	-	10	20	0	-	70	0	60	20	0	0
143.062	Photographer	80	-	-	-	-	-	-	-	-	60	20	0
143.382	Photographer, Aerial Painter, Portraits	20	-	-	-	-	-	-	-	-	-	0	0
144.081	Painter, Portraits	10	-	-	-	-	-	-	-	-	-	0	0
148.081	Memorial Designer	70	-	-	-	-	-	-	-	-	70	0	0
	Subtotal	1,780	-	140	80	10	0	150	0	560	50	40	480
Entertainment and Recreation													
151.028	Instructor, Dancing	20	-	-	10	0	-	-	-	-	-	20	10
152.028	Teacher, Music	50	30	10	-	-	-	-	-	-	-	10	0
152.048	Choirmaster	40	-	-	-	-	-	-	20	0	-	20	0
152.048	Musical Entertainer	10	10	0	-	-	-	-	-	-	-	0	0
152.048	Musician	310	-	-	50	0	-	-	90	10	110	10	10
152.048	Orchestra Leader	10	-	-	-	-	-	-	10	0	-	-	-
153.118	Director, Athletic	10	10	0	-	-	-	-	20	0	-	-	-
153.118	Manager, Athletic Team	30	-	-	-	-	-	-	-	-	-	30	0
153.228	Golf Pro	60	40	0	-	-	-	10	0	-	-	-	-
153.228	Instructor, Swimming	10	-	-	10	0	-	-	-	-	-	200	0
153.348	Athlete	200	-	-	-	-	-	-	-	-	-	0	0
159.148	Announcer	170	-	-	-	-	-	-	100	30	70	0	0
159.168	Director, Program	10	-	-	-	-	-	-	10	0	-	-	-
159.848	Exotic Dancer	50	-	-	-	-	-	-	-	-	-	50	1,060
	Subtotal	980	90	10	70	0	10	20	230	40	190	10	390
Administrative Specializations													
160.168	Auditor, City or County	250	-	-	20	0	200	0	10	0	-	-	20
160.188	Accountant	3,080	190	0	110	0	30	0	90	0	1,710	260	950
160.288-010	Credit Analyst, Chief Estimator	10	-	-	-	-	-	-	-	-	-	10	0
160.288-018	Budget Officer	210	-	-	-	20	0	-	-	-	100	10	90
161.118-010	Treasurer	50	-	-	-	-	-	-	-	-	10	0	40
161.118-018	Administrator, Contract and Order	270	30	0	60	20	50	0	30	0	50	10	50
162.118-010	Broker	29	-	-	-	-	-	-	-	-	-	20	0
162.158-014	Broker's Floor Representative	80	-	-	-	-	-	-	-	-	-	-	0
162.158-022	Buyer, Agricultural Products	140	10	0	-	-	-	-	-	-	100	0	30
162.158-026	Food Products	240	-	-	-	-	-	-	-	-	10	0	210

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP

D.O. I Number	Job Title	Total State Projected Employ- ment	Area I			Area II			Area III			Area IV			Area V			Area VI		
			12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now		
162.158.030	Buyer	10	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	04.08	General Merchandise	
162.158.050	Buyer II	570	20	0	40	0	10	0	30	0	10	0	460	0	0	0	0	04.08	General Merchandise	
162.158.054	Buyer, Livestock	100	30	0	-	-	-	50	0	-	-	-	10	0	0	100	01.0401	Food Products		
162.158.063	Buyer, Time and Space	10	-	-	-	-	-	-	-	-	-	-	-	-	-	0	04.01	Advertising Services		
162.158.074	Commission Man, Livestock	30	-	-	-	-	-	30	0	-	-	-	-	-	-	10	04.06	Food Distribution		
162.158.082	Field-Contact Man	10	-	-	-	-	-	-	-	-	-	-	-	-	-	0	01.0401	Food Products		
162.158.102	Purchasing Agent	280	10	0	20	0	10	0	20	0	70	0	150	0	0	0	04.99	Distributive Education, Other		
162.158	Securities Trader	110	-	-	-	-	-	-	-	-	110	0	-	-	-	0	*	*		
162.168.010	Buyer, Grain	390	140	0	10	0	20	0	60	0	70	0	90	10	30	01.0401	Food Products			
163.118.026	Manager, Sales	960	30	0	40	0	120	20	30	0	130	10	610	50	140	04.12	Industrial Marketing			
163.168.018	Manager, Utilities Sales and Service	80	-	-	20	0	10	0	-	-	10	0	40	0	0	0	04.12	Industrial Marketing		
164.068.010	Advertising Assistant	10	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	04.01	Advertising Services	
164.118.010	Director, Advertising	10	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	04.01	Advertising Services	
164.118.014	Manager, Advertising	280	-	-	10	0	30	0	-	-	140	0	100	0	0	0	04.01	Advertising Services		
164.168.010	Account Executive	65	-	-	-	-	-	-	-	-	-	-	60	0	0	0	04.01	Advertising Services		
165.068.022	Public-Relations Man II	170	20	0	-	-	-	-	-	-	100	10	50	0	0	0	02.01	Advertising Services		
165.068.026	Sales-Service Man	120	-	-	-	-	-	-	-	-	40	0	80	0	0	0	04.01	Advertising Services		
166.088.010	Job Analyst	70	-	-	-	-	-	-	-	-	70	70	-	-	0	0	14.0602	Interviewers and Test Technicians		
166.118.010	Director, Educational	10	-	-	-	-	-	-	-	-	10	0	-	-	-	0	14.0601	Ed. Asst. and Training Specialists		
166.118.022	Manager, Personnel	490	-	-	80	0	20	0	10	0	160	10	220	10	20	14.0603	Personnel Assistants			
166.168.010	Benefits-and-Service- Records Supervisor	10	-	-	-	-	-	-	-	10	0	-	-	-	0	14.0603	Personnel Assistants			
166.168.026	Manager, Employment	50	-	-	-	-	-	-	20	0	30	70	40	40	40	14.0603	Personnel Assistants			
166.168.034	Estate Planner	80	-	-	-	-	-	-	-	-	80	20	20	20	20	04.13	Insurance			
166.228.018	Supervisor, Training	10	-	-	-	-	-	-	10	0	-	-	-	-	0	14.0601	Ed. Asst. and Training Specialists			
166.228.022	Training Representative	10	-	-	-	-	-	-	-	10	0	-	-	-	-	0	14.0602	Interviewers and Test Technicians		
166.268.014	Employment Interviewer I	280	30	0	40	0	-	-	-	10	0	-	-	200	0	150	0	14.0602	Interviewers and Test Technicians	
166.268.018	Employment Interviewer II	80	-	-	-	-	-	-	-	-	30	0	50	50	190	0	14.0602	Interviewers and Test Technicians		
166.268	Field Representative	110	-	-	-	-	-	-	-	-	110	0	40	40	150	0	*	*		
168.268.034	Placement Officer	90	-	-	-	-	-	-	-	10	0	-	-	80	0	10	10	*	*	
168.168	Immigration Inspector	80	-	-	-	-	-	-	-	-	-	-	-	50	10	-	-	*	*	
168.168	Investigator	50	-	-	-	-	-	-	-	-	-	-	-	80	0	10	10	*	*	
168.168.050	Manager, Credit-and- Collection	410	20	0	10	0	-	-	-	-	-	-	-	-	340	80	40	0	80	14.0899 Supr. & Adm. Management Occup.. Other

OCCUPATIONAL GROUP				INSTRUCTIONAL TRAINING PROGRAM																			
D.O.T. Number	Job Title	Total State Projected Employ- ment	Area I 12 Month Need	Area II			Area III			Area IV			Area V			Area VI			Total State Projected 2 Year Need	Projected 12 Month Need	H.E. W. Number	Program	
				Now	Need	Now	Now	Need	Now	Now	Need	Now	Now	Now	Now	Now	Now	Now					
168.168-082	Safety Inspector	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.2899	Public Service, Other		
168.284-010	Safety Inspector 1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.2899	Public Service, Other		
168.287-010	Agricultural-Commodity Grader	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	16.02	Agricultural Related Technology		
168.368	Title Clerk	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	*		
169.118-022	Labor-Relations Specialist	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	14.0699	Personnel Training		
169.168-014	Administrative Assistant	640	-	-	30	0	10	0	40	10	250	0	310	50	60	60	60	60	0	14.0801	Occupations, Other		
169.168-018	Administrative Secretary	330	-	-	-	-	-	-	10	0	200	10	120	0	10	10	10	10	10	14.0701	Administrative Assts.		
169.168	Appeals Referee, Unemploy- ment Insurance	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	14.0701	Executive Secretary		
169.168-026	Chief Clerk	160	-	-	-	-	-	-	-	60	0	70	0	30	0	0	0	0	0	0	14.0805	Office Managers	
169.168-058	Manager, Electronic-Data- Processing	110	-	-	-	-	-	-	-	-	-	90	0	20	20	20	20	0	0	10	14.02	Business Data Processing	
169.168-062	Manager, Office	4,410	110	10	330	0	320	0	190	0	1,410	150	2,050	200	200	200	200	200	0	270	14.0805	Office Managers	
169.168-070	Park Ranger	10	-	-	-	-	-	-	-	-	-	10	0	-	-	-	-	-	0	0	01.0602	Recreation	
169.188-014	Underwriter	540	-	-	-	-	-	-	60	0	30	0	450	70	70	70	70	70	150	150	04.13	Insurance	
169.268-014	Claims Taker, Unemployment Benefits	40	-	-	-	-	-	-	-	-	-	40	0	-	-	-	-	-	0	0	14.0602	Interviewers and Test Technicians	
169.388-010	Escrow Officer	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	10	14.0899	Supr. & Adm. Management	
	Subtotal		<u>15,740</u>	<u>650</u>	<u>10</u>	<u>840</u>	<u>20</u>	<u>710</u>	<u>20</u>	<u>910</u>	<u>10</u>	<u>5,780</u>	<u>630</u>	<u>6,850</u>	<u>630</u>	<u>6,850</u>	<u>630</u>	<u>6,850</u>	<u>960</u>	<u>1,590</u>			
Managers, Officials (Other)																							
180.118-010	Field Man	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	01.0101	Agricultural Production	
180.168-022	General Manager, Farm	320	10	0	70	0	50	0	10	0	50	0	-	-	-	-	-	-	0	0	01.0104	Farm Business Management	
180.168-030	Manager, Production, Seed Corn	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	01.0102	Plant Science	
181.118-010	Manager, Bulk Plant	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	04.16	Petroleum	
182.168	Contractor	850	90	0	100	0	20	0	30	0	60	0	30	0	30	0	30	0	0	0	0	*	
182.168	Superintendent, Construction	190	10	0	20	0	20	0	80	0	200	10	360	0	360	0	360	0	0	0	0	*	
182.287	Construction Inspector	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	*	
183.118-010	Manager, Branch	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	04.12	Industrial Marketing	
183.118	Production Superintendent	1,200	40	0	30	0	50	0	190	50	70	0	820	40	40	40	40	40	110	110	0	*	
183.168	General Supervisor	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10	*	
183.168-034	Manager, Food Processing Plant	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	01.0401	Food Products	
184.118-018	Director, Transportation	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	04.19	Transportation	
184.118-042	Manager, Operations	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	10	*	
184.118	Manager, Station	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	04.19	Transportation	

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Job Title		Total State Projected		State		Total	
Job Number	Job Title	Emp. A	Emp. B	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need	12 Month Need
184.168	Director, Program	100	-	-	-	-	-	0	0
184.168	Director, Public Service	10	-	-	-	-	-	0	0
184.168-066	Manager, Bus Transportation	10	-	-	-	-	-	10	0
184.168-090	Manager, Traffic	10	-	-	-	-	-	0	0
184.168-114	Manager, Warehouse	110	-	-	-	-	-	0	0
184.168	Superintendent, Distribution	50	-	-	10	40	10	50	0
185.168-010	Commissary Man	310	-	-	160	0	-	-	-
185.168-036	Manager, Distribution Warehouse	50	-	-	10	0	10	0	30
185.168-034	Manager, Donut Shop	90	10	0	-	50	0	10	0
185.168-042	Manager, Franchise Promotion	40	-	-	-	-	-	40	0
185.168-046	Manager, Merchandise	30	-	-	10	0	10	0	-
185.168-050	Manager, Parts	470	10	0	10	40	10	110	0
185.168-054	Manager, Store I	7,100	370	0	1,280	60	560	0	1,120
185.168-058	Manager, Store II	40	-	-	-	10	0	20	0
185.168-066	Service Manager	340	20	0	110	0	20	0	40
185.168-078	Wholesaler	480	20	0	-	-	40	0	340
186.118	Business Manager, College or University	20	-	-	10	0	-	-	-
186.118	Controller	180	-	-	-	10	0	-	0
186.118-026	Manager, Financial Institution	2,460	70	0	290	10	130	0	180
186.118-030	Manager, Insurance	1,330	40	0	20	0	20	0	1,550
186.118-042	Property Rental Agent	20	-	-	10	0	-	-	400
186.118-046	Real Estate Agent	10	-	-	-	-	-	-	-
186.118	Trust Officer	30	-	-	-	-	-	-	-
186.168-010	Bank Cashier	530	20	10	140	10	20	0	90
186.168-022	Manager, Apartment House	170	-	-	-	10	0	10	10
186.168-050	Reserve Officer	10	-	-	-	-	-	-	-
186.168-030	Manager, Insurance Office	60	-	-	30	0	-	10	0
186.168-034	Manager, Property	540	40	0	50	0	90	10	10
186.288-010	Loan Officer	1,560	60	0	30	0	40	10	210
186.388-010	Disbursement Clerk	20	-	-	-	20	0	-	30
187.118	Administrator, Hospital and Nursing Home	750	90	0	180	0	100	0	90
187.118	Director, Community Org.	230	20	0	10	10	20	0	160
187.118	Business Agent	-	-	-	-	-	-	-	20
187.118	Labor Union	90	-	-	-	-	-	-	0
187.118-030	Manager, Hotel	230	50	0	60	10	30	0	70
187.118-034	Manager, Motel	290	60	0	40	10	30	0	60

INSTRUCTIONAL TRAINING PROGRAM												
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Total State Projected Employment	Area I			Area II			Area III		
				12 Month Need	Now	Seed	12 Month Need	Now	Seed	12 Month Need	Now	Seed
187.118 Public Health Service Officer	187.138-010	Houseparent	10 200	-	80	0	-	-	-	10	10	-
187.168-026 Director, Funeral	187.168-038 Director, School	Lunch Program	140 110	-	-	40	0	20	0	80	30	40
187.168-050 Executive Housekeeper	187.168-058 Manager, Barber Shop	187.168-062 Manager, Beauty Shop	60 20 280	10 0 50	0 0 10	10 0 70	0 0 50	0 0 50	0 0 70	10 0 70	0 0 70	0 0 70
187.168-066 Manager, Cafeteria or Lunchroom	187.168-074 Manager, Cemetery	187.168 Manager, Recreation	370 20 490	-	350	0	-	-	-	-	-	-
187.168-126 Manager, Restaurant or Coffee Shop	187.168-134 Manager, Service Department	187.168-154 Manager, Vehicle Leasing and Rental	1,970 30 110	0 100 100	10 240 240	0 350 350	0 570 570	0 20 10	0 20 90	0 0 10	0 0 20	0 0 20
187.168-155 Manager, Theater	187.168-162 Manager, Catering	187.268 Field Representative	1,970 10 110	0 10 0	-	-	-	-	-	0 0 10	0 0 10	
187.168-194 Superintendent, Building II	187.168-198 Superintendent, Laundry	188.118 Civil Defense Officer	40 10 10	0 0 0	-	-	-	-	-	0 0 20	0 0 20	
188.118 Commissioner	188.118 Manager, City; Industrial Planning Administrator	188.118 Welfare Director	40 170 140	-	-	-	-	-	-	10 0 150	0 0 150	
188.118 Election Procedures Advisor	188.168 Manager, Housing Authority	188.168 Election Procedures Advisor	10 10 10	-	-	-	-	-	-	0 0 60	0 0 60	
			10	-	-	-	-	-	-	0	0	

INSTRUCTIONAL TRAINING PROGRAM																		
OCCUPATIONAL GROUP		Total State Projected Employ- ment		Area I 12 Month Need		Area II 12 Month Need		Area III 12 Month Need		Area IV 12 Month Need		Area V 12 Month Need		Area VI 12 Month Need		Total State Projected 2 Year Need	H.I.W. Number Program	
Job Number	Job Title	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	
188.168	Postmaster	250	20	60	0	30	0	30	0	110	0	0	-	-	-	26	*	
188.168	Revenue Agent, Property-Utili- zation Officer	330	-	-	-	-	-	-	-	330	50	-	-	-	-	50	*	
188.168	Secretary of State	1	-	-	50	10	-	10	0	1	0	-	-	-	-	0	*	
188.168	Assessor	70	-	-	-	-	-	10	0	10	0	-	-	-	-	0	*	
189.118	Director, Research & Development	330	-	-	-	-	-	10	0	310	70	70	10	0	20	20	*	
189.118-018	Manager, Industrial Org. President, Vice-President	3,010	280	10	110	0	50	0	310	0	770	50	1,490	20	310	04.12	Industrial Marketing	
189.118	Business Broker	190	-	-	10	0	-	-	50	0	40	0	90	10	10	*		
189.158-010	Junior Executive	10	-	-	-	-	-	-	-	-	-	-	10	0	0	04.04	Finance and Credit	
189.168-014	Manager Trainee	10	-	-	-	-	-	-	-	-	-	-	10	0	0	C	General Merchandise	
189.168-018	Security Supervisor	110	-	-	-	-	-	-	30	0	40	10	40	10	10	04.08	General Merchandise	
189.168	Subtotal	10	-	-	-	-	-	-	-	-	-	-	10	0	0	*		
		30,921	1,910	30	3,730	150	2,040	60	4,230	150	9,111	850	9,900	429	2,160			
Misc. Professional, Tech., and Managerial																		
191.118-010	Booking Agent	40	-	-	-	-	-	-	10	0	-	-	-	30	0	0	04.18	Recreation and Tourism
191.118-014	Business Agent	10	-	-	-	-	-	-	-	-	-	-	-	10	0	0	04.18	Recreation and Tourism
191.158	Pawnbroker	150	-	-	-	-	-	-	-	-	-	-	-	150	20	20	*	
191.268-018	Credit Analyst	10	-	-	-	-	-	-	-	-	-	-	-	10	0	10	04.04	Finance and Credit
191.287-014	Appraiser,	180	-	-	-	-	-	-	20	0	110	30	50	10	50	04.17	Real Estate	
191.288	Real Estate Appraiser	20	-	-	-	-	-	-	-	60	60	0	70	0	20	0	*	
195.108	Caseworker	690	60	0	80	40	60	40	60	0	70	0	0	360	30	140	*	
195.118	Administrator, Social Welfare	40	-	-	-	-	-	-	-	-	-	-	-	-	-	10	*	
195.168	Caseworker, Supervisor	10	-	-	-	-	-	-	40	10	-	-	-	-	-	0	*	
195.168	Community Org. Worker	50	-	-	-	-	-	-	-	-	40	0	0	10	0	0	*	
195.168-026	Director, Recreation Center	110	10	0	-	-	-	-	-	-	-	-	-	100	0	0	04.18	Recreation and Tourism
195.208	Case Aide	10	-	-	-	-	-	-	-	-	-	-	-	10	0	0	*	
195.228	Program Aid, Group Work; Recreation Leader	330	-	-	-	-	-	10	0	150	70	70	60	20	120	*		
196.223	Instructor, Flying	70	-	-	-	-	-	20	10	-	-	-	50	0	20	*		
196.263-014	Airplane Pilot, Commercial	170	20	0	-	-	-	-	20	10	-	-	-	130	0	20	16.0601 Commercial Pilot Training	
196.283	Airplane Pilot, Crop Dusting	50	-	-	-	-	-	10	0	40	0	-	-	-	0	*		
199.168	Urban Planner	40	-	-	-	-	-	10	10	30	0	-	-	-	0	*		
	Subtotal	1,980	90	0	80	40	120	50	290	30	400	100	1,000	80	35,0			
TOTAL PROFESSIONAL, TECHNICAL & MANAGERIAL OCCUPATIONS																		
		410	13,580	940	7,660	640	14,000	930	30,571	2,210	43,810	5,370	12,110					

*No Vocational Instructional Training Program Listed

TABLE 3
CLERICAL AND SALES OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM											
OCCUPATIONAL GROUP		1 Total State Projected Implementation		Area I 12 Month Need		Area II 12 Month Need		Area III 12 Month Need		Area IV 12 Month Need	
100-1 Number	1-6 Init Number	80	0	80	0	80	0	840	30	470	60
209.488-010 Circulation Clerk		50	40	0	10	0	10	10	0	0	0
209.488-018 Invoice-Control Clerk		13.120	20	10	60	0	10	10	0	0	0
209.588-018 Clerk, General		80	-	-	-	-	-	-	-	-	-
209.588-046 Marker		30	-	-	-	-	-	-	-	-	-
209.588-050 Price Clerk		20	20	0	-	-	-	-	-	-	-
209.688-034 Proofreader 1		10	-	-	-	-	-	-	-	-	-
209.688-014 Checker II		44.470	1,170	80	2,210	130	1,510	130	2,760	200	8,370
Subtotal											
Computing and Account Receiving											
210.368-010 Account Information Clerk		120	-	20	0	-	-	20	0	10	-
210.368-014 Insurance Clerk		30	10	0	-	-	-	-	-	-	-
210.388-010 Account-Classification Clerk		90	20	0	-	-	-	10	0	0	-
210.388-018 Billing-Control Clerk		30	10	0	-	-	-	10	0	0	-
210.388-022 Bookkeeper I	1,930	1,160	10	1,830	80	810	40	1,800	130	2,950	290
210.388-026 Bookkeeper II		20	-	-	-	-	-	-	-	-	-
210.588-010 Insurance Clerk II		10	-	-	-	-	-	10	0	0	-
211.368-010 Cashier I		750	70	20	40	10	170	10	110	20	150
211.458-010 Cashier II		1,310	-	-	50	10	-	-	10	0	50
211.468-026 Cashier-Wrapper		270	-	-	120	26	30	0	-	-	20
211.468-034 Desk Clerk		160	10	0	-	-	40	0	30	0	70
211.468-062 Ticket Seller		80	-	-	-	-	10	0	10	0	50
211.488-010 Money Counter		20	-	-	-	-	-	-	-	-	-
212.138-010 Teller, Head		10	10	0	-	-	-	-	-	-	-
212.368-010 Teller		2,330	90	10	170	10	120	30	270	20	1,440
213.138-010 Supervisor, Computer Operation		120	-	-	-	-	-	-	-	60	10
213.382-018 Digital-Computer Operator		2,480	10	0	20	10	0	10	0	1,100	140
213.582-010 Keypunch Operator		1,860	-	-	20	0	10	10	-	460	40
213.588-014 Verifier Operator		350	-	-	10	0	-	-	-	130	100
213.782-016 Tabulating-Machine Operator		10	-	-	-	-	-	-	-	19	0
										-	-
										0	0

16 Computing and Account Receiving

210.368-010 Account Information Clerk

210.368-014 Insurance Clerk

210.388-010 Account-Classification Clerk

210.388-018 Billing-Control Clerk

210.388-022 Bookkeeper I

210.388-026 Bookkeeper II

210.588-010 Insurance Clerk II

211.368-010 Cashier I

211.458-010 Cashier II

211.468-026 Cashier-Wrapper

211.468-034 Desk Clerk

211.468-062 Ticket Seller

211.488-010 Money Counter

212.138-010 Teller, Head

212.368-010 Teller

213.138-010 Supervisor, Computer Operation

213.382-018 Digital-Computer Operator

213.582-010 Keypunch Operator

213.588-014 Verifier Operator

213.782-016 Tabulating-Machine Operator

OCCUPATIONAL GROUP

INSTITUTIONAL TRAINING BIBLIOGRAPHY

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Total State		Projected		H1 W		H2 W	
Proj. No.	Job Title	12 Month Need	12 Month New	12 Month Seed	12 Month New	Number	Program	Number	Program
223.138-026	Stock Supervisor	10	-	-	-	10	0	0	14.0504 Stock & Inventory Clerks
223.368	Procurement Clerk	10	-	-	-	10	0	0	*
223.387	Stock Clerk	2,540	30	10	220	20	60	350	*
223.388-014	Inventory Clerk	310	-	10	0	10	0	0	14.0504 Stock & Inventory Clerks
223.487-010	Checker, Bakery Products	20	10	0	10	-	-	-	04.06 Food Products
223.487-018	Mail-Order Filler	10	-	-	-	10	0	-	04.06 Food Products
223.687-014	Checker I	10	-	-	-	-	-	-	14.0504 Stock & Inventory Clerks
223.887-010	Central-Supply Worker	350	80	9	40	10	40	60	14.0514 Stock & Inventory Clerks
224.487-030	Weigher II	20	-	-	20	0	-	-	07.0905 Central Supply Technicians
224.587	Grain Weigher	80	-	-	-	20	0	-	07.0905 Central Supply Technicians
224.587	Weighmaster	10	-	-	-	10	0	-	07.0905 Central Supply Technicians
229.138-038	Yard Supervisor	10	-	-	-	10	0	-	07.0905 Central Supply Technicians
229.488-014	Estimator, Jewelry	10	-	-	-	10	0	-	07.0905 Central Supply Technicians
Subtotal		5,420	210	40	440	60	270	70	3,330
Information and Message Distribution									
230.388-022	Messenger	80	-	-	60	20	-	-	70 14.0405 Messengers, Office Boys and Girls
230.878-026	Office Helper	80	-	-	10	0	-	40	14.0405 Messengers, Office Boys and Girls
231.138-010	Mail Supervisor	10	-	-	10	0	-	-	14.0403 Mail and Postal Clerks
231.588-014	Mail Clerk	420	20	0	10	0	360	120	14.0403 Mail and Postal Clerks
231.688-010	Distribution Clerk	1,540	-	-	-	-	1,540	0	14.0403 Mail and Postal Clerks
232.138-010	Supervisor, Mails	210	-	-	-	-	-	-	14.0403 Mail and Postal Clerks
232.368-014	Post Office Clerk	580	40	0	50	0	50	0	14.0403 Mail and Postal Clerks
233.138-010	Supervisor, Carriers	100	-	-	-	-	-	-	14.0403 Mail and Postal Clerks
233.388-010	Mail Carrier	2,660	60	0	120	0	30	10	14.0403 Mail and Postal Clerks
233.388-014	Rural Mail Carrier	150	70	0	-	10	0	70	14.0403 Mail and Postal Clerks
234.582-010	Addressing-Machine Operator	10	-	-	-	-	-	-	14.0404 Mail-Preparing & Mail-Handling Machine Operators
234.885-022	Scaling-and-Cancelling-Machine Operator	20	-	-	-	-	-	-	14.0404 Mail-Preparing & Mail-Handling Machine Operators
235.138-014	Telephone Operator, Chat	30	-	-	-	-	-	-	14.0401 Communication Systems Clerks & Operators
235.228-010	Private-Branch-Exchange-Service Advisor	130	30	-	-	-	-	-	14.0401 Communication Systems Clerks & Operators

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP

OCCUPATIONAL GROUP	INSTRUCTIONAL TRAINING PROGRAM									
	Total State Projected Implementation	Area I 12 Month Need	Area II 12 Month Need	Area III 12 Month Need	Area IV 12 Month Need	Area V 12 Month Need	Total State Projected Implementation	Area VI 12 Month Need	H.I. W Number Program	Total State Projected Implementation
249.288-018 Field-Map Editor	30	30	0	-	-	-	-	-	-	0
249.368-010 Claims Clerk	20	-	-	-	-	-	-	-	0	16.016 Civil Technology
249.368-014 Clerk, Electoral	10	-	10	0	-	-	-	-	0	14.99 Office Occupations, Other
249.368-026 Court Clerk	40	-	40	40	-	-	-	-	0	14.99 Office Occupations, Other
249.368-034 Credit Reporter	20	-	-	-	-	-	-	-	0	14.99 Office Occupations, Other
249.368-062 New-Account Clerk	1,150	-	80	30	10	0	20	0	1,150	04.08 General Merchandise
249.368-070 Order Clerk	650	-	30	30	0	10	0	40	400	14.99 Office Occupations, Other
249.368-082 Reservation Clerk	30	-	-	-	-	-	-	20	0	14.0499 Information, Communications, Occu. Other
249.388-018 Credit Authorizer	10	-	10	-	-	-	-	-	10	0
249.388-022 Forms Analyst	50	40	-	-	-	-	-	-	-	0
249.388-034 Medical-Records Clerk	280	40	0	70	0	40	0	30	50	10
249.388 Stock-Transfer Clerk	20	-	-	-	-	-	-	20	0	14.0499 Information, Communications, Occu. Other
249.887-014 Cutter, Press Clippings	60	-	-	-	-	-	-	60	0	*
Subtotal	3,910	210	40	160	40	79	0	180	10	470
Sales Workers, Services										
250.258-014 Sales Worker, Insurance	3,010	190	20	250	20	180	20	200	690	180
256.358-026 Sales Worker, Real Estate	4,020	100	30	120	0	50	10	300	0	1,500
251.258-010 Sales Worker, Securities	760	20	0	-	-	30	0	-	710	240
252.258-010 Sales Worker, Financial Service	30	10	0	-	-	-	-	-	-	20
252.358-014 Sales Worker, Business Services	890	10	0	20	0	0	10	60	560	250
253.358-010 Sales Worker, Radio and Television Time	90	-	-	-	-	-	-	30	30	30
254.258-010 Sales Representative	40	-	-	-	-	-	-	-	40	40
255.258-010 Traffic Agent	10	-	-	-	-	-	-	10	0	0
256.358-010 Sales Worker, Food Vending Service	10	-	-	-	-	-	-	-	-	10
257.. 8-010 Sales Worker, Public Utilities	30	-	-	-	-	-	-	10	0	0
258.258-014 Sales Worker, Signs and Displays	20	-	-	-	-	-	-	-	-	20
258.358-010 Sales Worker, Advertising	560	20	10	50	10	10	0	20	10	70

INSTRUCTIONAL TRAINING PROGRAM										Projected		H.I. W.														
OCCUPATIONAL GROUP		D.O.T. Number		I.b. Title				Area I		Area II		Area III		Area IV		Area V		Area VI		12 Month Need		12 Month Need		H.I. W. Number Program		
						12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need		12 Month Need				
Total State Projected Employment:	12 Month Need	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	
258 358-014 Sales Worker, Printing	160	-	-	50	0	-	-	-	-	-	-	-	-	-	-	-	-	110	0	30	04.12	Industrial Marketing				
258 358-018 Sales Worker, Signs	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	0	0	04.01	Advertising Services				
259 358-014 Sales Worker, Soft Water Service	50	20	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	0	20	04.99	Distributive Education, Other				
Subtotal	9,710	370	60	490	30	280	40	620	40	30	3,670	720	4,280	320	4,280	320	4,280	320	4,280	320	4,280	320	4,280	320	4,280	320
Sales Workers and Salespersons, Commodities																										
260 458-010 Salesperson, Flowers	410	10	0	90	0	60	20	20	0	100	70	130	40	60	60	60	60	60	60	60	60	60	60	60	60	60
261 158-010 Commission Man, Agricultural Products	10	-	-	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
261 258-010 Sales Worker, Livestock	300	70	0	10	0	-	-	-	-	-	-	-	-	-	-	-	-	220	0	0	04.06	Food Distribution				
262 358-010 Sales Worker, Food Products	1,920	10	0	50	10	40	20	170	30	370	10	1,280	120	230	230	230	230	230	230	230	230	230	230	230	230	230
262 358-014 Sales Worker, Grain-and-Feed Products	990	30	0	140	20	300	60	140	20	330	10	50	0	90	90	90	90	90	90	90	90	90	90	90	90	90
263 358-010 Sales Worker, Canvas Products	10	-	-	-	-	-	-	-	-	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
263 358-018 Sales Worker, Footwear	70	-	-	70	0	-	-	-	-	-	-	-	-	-	-	-	-	80	10	10	04.02	Apparel & Accessories				
263 358-026 Sales Worker, Uniforms	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	04.02	Apparel & Accessories				
263 358-030 Sales Worker, Women's and Girls' Apparel	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	04.02	Apparel & Accessories				
263 358-042 Salesperson, Furs	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	04.02	Apparel & Accessories				
263 358-046 Salesperson, Men's Furnishings	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	04.02	Apparel & Accessories				
263 358-050 Salesperson, Shoes	660	60	10	30	0	40	0	140	30	210	20	180	30	110	110	110	110	110	110	110	110	110	110	110	110	110
263 458-010 Sales Worker, Infants' and Children's Wear	120	-	-	-	-	-	-	-	-	30	0	20	0	30	0	30	0	30	0	30	0	30	0	30	0	
263 458-014 Salesperson, Men's and Boys' Garments	350	60	0	40	10	70	0	100	0	80	0	-	-	-	-	-	-	90	60	40	04.02	Apparel & Accessories				
263 458-022 Salesperson, Women's Garments	5,280	150	0	900	100	190	30	390	30	1,480	570	2,170	460	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030	2,030
263 458-026 Salesperson, Yard Goods	350	10	0	50	0	20	0	30	0	150	20	90	0	40	40	40	40	40	40	40	40	40	40	40	40	40
265 358-014 Sales Worker, Paper and Paper Products	510	-	-	10	0	10	0	-	-	-	-	-	-	-	-	-	-	100	40	390	50	60	60	60	60	
266 258-010 Sales Worker, Chemicals and Drugs	140	-	-	-	-	-	-	-	-	50	0	-	-	-	-	-	-	30	0	60	20	30	30	30	30	
266 358-014 Salesperson, Cosmetics and Toiletries Preparation	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	20	0	0	0	0	0	
266 358 Sales Worker, Toilet Preparation	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0	0	0	

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Total State		Area I		Area II		Area III	
DOT Number	1-6 Title	Projected Employment	12 Month Need	12 Month Seed	12 Month Now	12 Month Need	12 Month Seed	12 Month Now	12 Month Seed
267.358-010	Sales Worker, Fuel	190	-	-	-	-	-	-	-
268.358-010	Sales Worker, Plastic Products	10	-	-	-	-	-	-	-
273.258-010	Sales Worker, Foundry and Machine Shop Products	20	-	-	-	-	-	-	-
273.358-010	Sales Worker, Metals	50	-	-	-	-	-	-	-
274.358-014	Sales Worker, Custom Drapery	30	-	-	-	-	-	-	-
274.358-018	Sales Worker, Floor Coverings	600	-	-	-	-	-	-	-
274.358-022	Sales Worker, Home Furnishings	200	-	-	-	-	-	-	-
274.358-026	Salesperson, China and Glassware	10	-	-	-	-	-	-	-
274.358-030	Salesperson, Curtain and Draperies	180	-	-	-	-	-	-	-
274.358-034	Salesperson, Furniture	1,030	50	0	290	0	20	10	80
276.158-010	Sales Worker, Machines	580	-	-	110	0	-	-	-
276.358-010	Sales Worker, Building and Construction Eqp. & Sup.	1,400	20	0	240	20	10	10	190
276.358-030	Sales Worker, Oil-Field Supplies & Equipment	20	20	0	-	-	-	-	-
276.358-054	Sales Worker, Welding Equipment	50	-	-	-	-	-	-	-
276.358-058	Salesperson, General Hardware	2,200	350	30	230	-40	180	30	660
277.251-010	Service-Sales Worker, Milking Machines	70	-	-	-	-	-	70	0
277.358-010	Sales Worker, Cattle-and-Poultry Food Supplements	50	-	-	-	-	-	-	-
277.358-018	Sales Worker, Farm & Garden Eqip. & Supplies	1,530	100	30	220	0	200	30	560
277.358-026	Sales Worker, Tractor and Farm Implements	660	20	10	20	10	70	0	180
277.358-030	Salesperson, Lawn and Garden Eqip. & Supplies	20	-	-	-	-	-	-	-

OCCUPATIONAL GROUP				INSTRUCTIONAL TRAINING PROGRAM																							
D O I Number	Job Title	Total State Projected	Area I 12 Month Need	Area II 12 Month Need			Area III 12 Month Need			Area IV 12 Month Need			Area V 12 Month Need			Area VI 12 Month Need			Total State Projected	12 Month Need	2 Year Projected	H.F.W. Number	Program				
		Employ- ment	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	Now	
278.258-010 Home-Service Representative	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	09.0204	Home Furnishings, Eqp. and Services		
278.258-014 Sales Worker, Communication Equipment	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	04.12	Industrial Marketing	Home Furnishings			
278.258-018 Salesperson, Hi-Fi;	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	20	20	20	04.10	Home Furnishings		
278.358-010 Sales Worker, Gas-or-Electric Appliances	120	10	0	10	10	0	30	10	40	0	20	0	20	0	20	0	20	0	0	0	0	0	0	04.10	Home Furnishings		
278.358-014 Sales Worker, Household Equipment	380	-	-	70	0	20	0	110	0	40	10	140	50	-	-	-	-	-	60	60	04.10	Home Furnishings	Home Furnishings				
278.358-018 Sales Worker, Radio and Television Products	10	-	-	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	04.10	Home Furnishings		
278.358-022 Sales Worker, Sewing Machines	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	04.10	Home Furnishings	
278.358-030 Salesperson, Television and Appliances	110	-	-	20	0	-	-	-	-	-	-	-	-	-	-	-	-	-	10	40	0	0	0	04.10	Home Furnishings		
280.258-010 Sales Worker, Aircraft	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	0	0	0	0	0	04.19	Transportation	
280.358-014 Sales Worker, Automobile	2,970	310	50	570	90	310	30	290	20	680	70	810	140	-	-	-	-	-	450	450	04.03	Automotive	Automotive				
280.358-018 Sales Worker, Automobile Parts	870	10	0	50	0	30	0	40	10	280	30	460	70	-	-	-	-	-	20	20	04.03	Automotive	Automotive				
280.358-026 Sales Worker, House Trailers	220	10	10	20	0	10	0	-	-	130	20	50	20	-	-	-	-	-	0	0	04.03	Automotive	Automotive				
280.358-030 Sales Worker, Marine Supplies	80	-	-	40	0	-	-	-	-	-	-	-	-	-	-	-	-	-	40	0	0	0	0	04.19	Transportation		
280.358-034 Sales Worker, Motor Vehicles and Supplies	720	20	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	40	0	0	0	100	04.03	Automotive	
280.458-010 Salesperson, Automobile Accessories	430	-	-	90	0	80	10	-	-	-	-	-	-	-	-	-	-	-	240	30	0	0	0	0	04.03	Automotive	
281.358-026 Sales Worker, Office Machines	510	30	0	60	10	-	-	-	-	-	-	-	-	-	-	-	-	-	30	230	10	90	90	04.12	Industrial Marketing		
281.358 Sales Worker, Barber and Beauty Supplies	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0	04.07	Food Services	
281.358-038 Sales Worker, Vending and Coin Machines	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0	04.07	Food Services	
282.258-010 Sales Worker, Dental and Medical Eqp. and Supplies	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	20	-	-	-	-	10	04.12	Industrial Marketing
282.258-014 Sales Worker, Medical Equipment and Supplies	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	0	-	-	-	-	0	04.12	Industrial Marketing
282.358 Salesperson, Hearing Aids	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	40	10	30	30	0	04.12	Industrial Marketing
282.358-010 Sales Worker, Veterinarian Sup.	140	20	0	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	0	0	0	10	01.0299	Ag. Supplies/Services Other

INSTRUCTIONAL TRAINING PROGRAM																											
OCCUPATIONAL GROUP		D.O.T. Number		Job Title		Total State Projected Employment		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected Employment		Projected H.E.W. Number		Program			
								12 Month Need		Now		12 Month Need		Now		12 Month Need		Now		12 Month Need		Now					
								Now																			
283.358-010	Sales Worker, Jewelry and Optical Goods	30	-	-	10	0	120	10	30	0	70	10	80	10	-	-	30	0	150	0	04.02	Apparel & Accessories	Apparel & Accessories				
283.358-014	Salesperson, Jewelry	640	-	-	-	-	20	10	-	-	50	0	10	10	-	-	330	60	10	0	04.02	Recreation and Tourism	Recreation and Tourism				
285.358-010	Salesperson, Photographic Supplies & Equipment	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	04.18	Recreation and Tourism	Recreation and Tourism				
286.358-010	Sales Worker, Amusement and Sporting Goods	50	-	-	-	-	10	10	-	-	10	10	20	10	10	10	10	10	0	0	04.18	Recreation and Tourism	Recreation and Tourism				
286.358-014	Sales Worker, Hobbies and Crafts	50	-	-	-	-	80	0	60	0	70	0	60	30	50	50	20	20	60	0	04.18	Recreation and Tourism	Recreation and Tourism				
286.358-018	Salesperson, Sporting Goods	320	-	-	-	-	80	0	60	0	70	0	60	30	50	50	20	20	60	0	04.18	Recreation and Tourism	Recreation and Tourism				
287.358-010	Sales Worker, Musical Instrument & Accessories	150	30	10	10	-	-	-	-	70	0	40	10	-	-	-	-	-	-	50	0	04.18	Industrial Marketing	Industrial Marketing			
289.158-014	Sales Worker, Containers	140	90	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	0	0	Industrial Marketing	Industrial Marketing			
289.358	Counter Worker, Farm Fqp. Parts	240	-	-	50	20	-	-	-	100	30	80	20	20	10	0	30	10	60	0	04.12	Industrial Marketing	Industrial Marketing				
289.358-014	Sales Worker, General Merchandise	170	-	-	-	-	-	-	-	10	0	130	30	30	30	30	30	10	10	60	0	04.12	Wholesale Trade, Other	Wholesale Trade, Other			
289.358-018	Sales Worker, General Merchandise	410	40	0	-	-	-	-	-	10	0	110	20	250	20	250	20	20	70	70	0	04.31	Retail Trade, Other	Retail Trade, Other			
289.358-022	Sales Worker, Household	6,520	-	-	20	10	-	-	-	-	-	-	-	-	-	-	-	-	-	6,500	2,850	0	04.20	Recreation and Tourism	Recreation and Tourism		
289.358-030	Sales Worker, Novelties	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	70	0	0	04.18	Automotive	Automotive			
289.358-042	Salesperson, Books	860	60	10	30	10	-	-	-	-	-	-	-	-	-	-	560	70	210	0	60	04.18	General Merchandise	General Merchandise			
289.358-046	Salesperson, Parts	1,600	260	40	240	20	110	-	-	-	-	-	-	-	-	-	370	20	360	60	260	04.03	Food Distribution	Food Distribution			
289.458-014	Salesperson, General Merchandise	17,670	200	10	880	70	310	10	920	100	2,360	250	13,000	250	13,000	250	13,000	70	70	150	1,320	3,240	04.08	Food Distribution	Food Distribution		
	Subtotal	56,460	2,060	270	5,000	490	2,330	280	5,010	280	5,010	620	11,250	1,730	1,730	1,730	30,810	5,920	5,920	9,280							
Merchandising, except Sales Workers																											
290.468-014	Manager, Branch Store	150	-	-	10	0	-	-	-	-	-	-	-	-	-	-	30	0	0	30	0	0	04.15	Personal Services	Personal Services		
290.478-014	Sales Clerk	50	50	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	04.08	Food Distribution	Food Distribution	
290.877-010	Salesperson, Food	2,000	150	0	230	0	190	0	590	170	310	70	530	70	530	70	530	120	120	320	04.06	Food Distribution	Food Distribution				
291.158-010	Buyer I	50	-	-	-	-	-	-	-	10	0	-	-	-	-	-	-	40	0	0	0	0	04.06	Food Distribution	Food Distribution		
292.138-010	Route Supervisor	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	40	0	90	0	0	Food Distribution	Food Distribution		
292.358-010	Sales Worker-Driver	1,210	90	10	120	0	-	-	-	-	-	-	-	-	-	-	170	40	280	100	550	70	70	Food Distribution	Food Distribution		
292.887-010	Sales Worker-Driver Helper	30	-	-	30	10	-	-	-	-	-	-	-	-	-	-	10	0	10	0	-	-	-	Food Distribution	Food Distribution		
293.358	Goodwill Ambassador	30	-	-	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	*	Retail Trade, Other	Retail Trade, Other	
293.358-026	Solicitor	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	0	0	04.20	General Merchandise	General Merchandise		
294.258-010	Auctioneer	150	-	-	30	0	-	-	-	-	-	-	-	-	-	-	100	0	20	0	-	-	-	0	04.08	General Merchandise	General Merchandise
297.458	Instructor, Painting	80	-	-	60	0	-	-	-	-	-	-	-	-	-	-	20	0	10	0	-	-	-	10	*	Advertising Services	Advertising Services
298.081-010	Display Man	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	-	-	-	-	-	0	04.01		

INSTRUCTIONAL TRAINING PROGRAM										
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV	
			Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need
299.138-014 Department Head, Supermarket	450	20	0	60	10	-	110	0	70	0
269.138-022 Manager, Department	1,500	-	50	0	10	0	40	0	190	0
299.381-010 Carpet Cutter	570	40	0	60	0	-	100	0	190	0
299.468-010 Cashier-Checker	4,410	210	20	560	80	400	40	790	200	740
299.478-010 Contact-Lens Technician	10	-	-	-	-	-	-	-	-	-
299.478 Delivery Worker	940	100	10	50	0	30	10	30	60	40
299.587-010 Bakery Clerk	260	-	-	-	-	-	-	30	0	30
299.687 Clothing Inspector	130	-	-	-	130	400	-	-	-	-
299.884 Drapery Hanger	60	-	-	-	10	0	-	40	0	-
299.884-014 Optician, Dispensing	50	-	-	-	40	10	-	-	10	0
Subtotal	12,400	660	40	1,450	510	640	50	2,070	440	2,120
TOTAL - CLERICAL AND SALES OCCUPATIONS	189,680	6,990	580	13,940	1,540	7,290	810	14,570	1,620	45,260

*No Vocational Instructional Training Program Listed.

TABLE 4
SERVICE OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM										
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV	
			Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need
Domestic										
302.887-014 Launderer	10	10	0	-	-	-	-	-	-	-
303.138-010 Housekeeper, Home I	100	10	0	10	0	-	-	20	0	30
303.878 Farm Housekeeper	10	-	-	-	-	-	-	-	10	0
305.281-010 Cook	10	-	-	-	-	-	-	-	-	-
306.878-010 Homemaker	450	70	0	20	0	30	0	90	10	130
307.878-010 Nursemaid	30	-	-	-	-	-	-	10	0	20
309.878-026 Foster Parent	10	-	-	-	-	-	-	-	10	0
Subtotal	620	90	0	30	0	30	0	120	10	200
									60	150
									10	30

Food Distribution
General Merchandise
Const. & Maintenance
Trades, Other
Food Distribution

Food Distribution
*
07.0601 Ophthalmic Dispensing

OCCUPATIONAL GROUP	D.O. 1 Number	Job Title	Total Projected Employ- ment	Area I 12 Month Need	Area II 12 Month Now	Area III 12 Month Need	Area IV 12 Month Now	Area V 12 Month Need	Area VI 12 Month Now	Total State Projected Need	Projected H.I. W Number Program																						
												310.138-010 Kitchen Supervisor	310.868-010 Hostess, Restaurant or Coffee Shop	311.878-010 Waiter's Assistant	311.878-014 Car Hop	311.878-022 Counter Work, Cafeteria	311.878-026 Counter Worker, Lunch Room or Coffee Shop	311.878-054 Waiter, Formal	311.878-058 Waiter, Informal	312.878 Bartender	313.131-010 Chef	313.138-010 Baker, Head	313.138-014 Cook, Head, School Cafeteria	313.168-010 Executive Chef	313.381-010 Baker, Pizza	313.381-018 Cook	313.381-042 Cook, Specialty, Foreign Food	313.781-010 Baker	313.781-018 Ice-Cream Man	313.884-010 Baker Helper	314.381-010 Cook, Short-Order	314.781-010 Cook, Specialty	315.381-010 Cook
Food & Beverage Preparation and Service			10	10	0	-	-	-	-	-	-	-	310.868-010 Hostess, Restaurant or Coffee Shop	350	20	0	40	0	10	0	40	40	70	140	30	210	04.07	Food Services					
310.138-010 Kitchen Supervisor			10	10	0	-	-	-	-	-	-	-	311.878-010 Waiter's Assistant	1,320	120	30	50	30	10	0	40	40	550	260	140	140	610	17.2904	Waiter/Waitress				
311.878-014 Car Hop						90	0	-	-	50	30	40	30	40	0	0	0	0	0	0	90	0	0	0	30	30	17.2904	Waiter/Waitress					
311.878-022 Counter Work, Cafeteria						-	-	60	0	-	-	-	311.878-026 Counter Worker, Lunch Room or Coffee Shop	60	-	-	-	-	-	-	-	-	-	-	-	-	0	0	17.2904	Waiter/Waitress			
311.878-026 Counter Worker, Lunch Room or Coffee Shop						-	-	-	-	-	-	-	311.878-054 Waiter, Formal	50	-	-	-	-	-	-	-	-	-	-	-	-	10	10	17.2904	Waiter/Waitress			
311.878-054 Waiter, Formal						140	30	-	-	-	-	-	311.878-058 Waiter, Informal	670	140	30	680	3,070	540	1,050	320	1,840	490	4,170	1,750	3,460	270	20	200	17.2904	Waiter/Waitress		
311.878-058 Waiter, Informal						40	0	-	-	390	0	20	20	312.878 Bartender	4,550	580	40	320	0	390	20	630	60	980	270	1,650	890	1,430	6,260	17.2904	*		
312.878 Bartender						-	-	-	-	-	-	-	313.131-010 Chef	120	-	-	-	-	-	-	-	-	-	-	-	-	0	0	17.2902	Cook/Chef			
313.131-010 Chef						-	-	-	-	-	-	-	313.138-010 Baker, Head	10	-	-	-	-	-	-	-	-	-	-	-	-	0	0	17.2901	Baker			
313.138-010 Baker, Head						-	-	-	-	-	-	-	313.138-014 Cook, Head, School Cafeteria	250	20	0	20	0	50	0	40	0	40	0	80	80	40	40	20	09.0203	Food Mgt. Production and Services		
313.138-014 Cook, Head, School Cafeteria						-	-	-	-	-	-	-	313.168-010 Executive Chef	10	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	0	0	0	
313.168-010 Executive Chef						10	-	-	-	-	-	-	313.381-010 Baker, Pizza	110	60	10	-	-	-	-	-	-	-	-	-	-	40	0	0	0	0	0	
313.381-010 Baker, Pizza						60	-	-	-	-	-	-	313.381-018 Cook	7,700	680	70	1,380	100	750	20	1,320	130	1,950	190	1,620	1,620	320	960	17.2902	Cook/Chef			
313.381-018 Cook						-	-	-	-	-	-	-	313.381-042 Cook, Specialty, Foreign Food	30	-	-	-	-	-	-	-	-	-	-	-	-	30	0	0	0	0	0	
313.381-042 Cook, Specialty, Foreign Food						-	-	70	0	10	0	20	313.781-010 Baker	250	-	-	-	-	-	-	-	-	-	-	-	-	90	0	0	0	0	0	
313.781-010 Baker						-	-	70	0	10	0	20	313.781-018 Ice-Cream Man	10	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	
313.781-018 Ice-Cream Man						-	-	-	-	-	-	-	313.884-010 Baker Helper	200	-	-	-	-	-	-	-	-	-	-	-	-	500	500	17.2902	Cook/Chef			
313.884-010 Baker Helper						-	-	-	-	-	-	-	314.381-010 Cook, Short-Order	2,480	140	40	490	10	220	40	260	40	560	170	810	60	500	500	17.2901	Baker			
314.381-010 Cook, Short-Order						-	-	-	-	-	-	-	314.781-010 Cook, Specialty	270	-	-	-	-	-	-	-	-	-	-	-	-	40	0	0	0	0	0	
314.781-010 Cook, Specialty						-	-	-	-	-	-	-	315.381-010 Cook	2,140	20	0	590	50	210	20	176	0	200	200	40	40	300	320	17.2902	Cook/Chef			
315.381-010 Cook						-	-	-	-	-	-	-	316.884-018 Meat Cutter	1,010	100	0	230	20	100	10	180	30	160	20	240	40	150	150	17.2903	Meat Cutters			
316.884-018 Meat Cutter						-	-	-	-	-	-	-	316.884-022 Meat Cutter Apprentice	330	-	-	-	-	-	-	-	-	-	-	-	-	300	150	300	300	150	300	
316.884-022 Meat Cutter Apprentice						-	-	-	-	-	-	-	317.884-018 Pantry Worker	310	-	-	-	-	-	-	-	-	-	-	-	-	30	10	670	670	30	670	
317.884-018 Pantry Worker						-	-	10	0	10	0	260	317.887-010 Cook Helper	1,530	260	450	50	20	0	30	10	140	80	510	510	320	320	17.2902	Cook/Chef				
317.887-010 Cook Helper						-	-	-	-	-	-	-	318.887 Kitchen Helper	2,670	310	50	320	80	60	0	430	130	1,040	470	510	510	1,400	1,400	*	0	0	0	
318.887 Kitchen Helper						-	-	-	-	-	-	-	319.138-010 Food Service Supervisor	190	90	20	40	10	60	0	-	-	-	-	-	-	-	-	60	09.0203	Food Mgt. Production and Services		
319.138-010 Food Service Supervisor						-	-	-	-	-	-	-	319.874-010 Caterer Helper	100	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	
319.874-010 Caterer Helper						-	-	-	-	-	-	-	319.878-010 Fountain Worker	500	40	0	-	-	-	-	-	-	-	-	-	-	130	130	17.2904	Waiter/Waitress			
319.878-010 Fountain Worker						-	-	-	-	-	-	-	Subtotal	4,2830	4,330	1,010	7,170	890	3,070	430	5,090	970	11,360	4,170	11,810	3,750	3,750	15,410					

INSTRUCTIONAL TRAINING PROGRAM											
OCCUPATIONAL GROUP		Job Title		Total State Projected Employ- ment		Area I 12 Month Need		Area II 12 Month Need		Area III 12 Month Need	
Job Number	Job Title	Job Number	Job Title	Now	Need	Now	Need	Now	Need	Now	
Lodging and Related Services											
320.137-010 Manager, Lodging Facilities		400	30	0	160	0	10	0	80	0	110
321.138-010 Housekeeper		900	100	20	380	20	70	10	160	0	190
323.887 Houseman		50	-	-	10	0	-	-	-	20	0
323.887-014 Lodging Quarters Cleaners		1,580	200	50	190	60	40	20	240	60	460
323.887-018 Cleaners, Hospital		690	50	20	-	-	-	-	120	40	-
324.878-018 Doorman		20	-	-	-	-	-	-	-	-	-
324.878-022 Room-Service Clerk II		40	-	-	-	-	-	-	-	-	-
329.138-010 Superintendent, Service		10	-	-	-	-	-	-	-	-	-
	Subtotal	3,690	380	90	740	80	120	30	600	100	780
Barbering, Cosmetology & Related Services											
330.371-010 Barber		560	50	0	20	0	50	0	70	10	190
331.878-010 Manicurist		50	-	-	-	-	-	-	-	-	-
332.271-010 Cosmetologist		2,850	210	80	300	30	250	60	460	40	800
332.271-014 Cosmetologist, Apprentice		10	-	-	-	-	-	-	-	-	-
338.381-010 Embalmer		120	-	-	10	0	10	0	30	0	60
339.871-010 Electrician		10	-	-	-	-	-	-	-	-	-
339.878 Supply Clerk		30	-	-	-	-	-	-	-	-	-
	Subtotal	3,630	260	80	330	30	310	60	560	50	1,050
Amusement & Recreation Services											
340.368-010 Desk Clerk, Bowling Floor Attendant		180	-	-	40	0	40	0	60	0	-
341.368-010 Recreation-Facility Attendant		130	20	20	40	10	20	20	-	-	-
341.878 Caddie		20	-	-	-	20	0	-	-	-	-
342.858 Concession Attendant		250	-	-	-	20	20	-	220	20	-
342.863 Ride Operator		80	-	-	-	-	-	-	80	0	-
344.878 Usher		50	-	-	-	-	-	-	30	10	-
	Subtotal	710	20	20	80	10	130	50	360	20	100
Miscellaneous, Personal Services											
353.168 Guide, Travel		20	20	0	-	-	-	-	-	-	-
354.878-010 Home Attendant		10	-	-	-	-	-	-	-	-	-
	Subtotal	10	0	0	-	-	-	-	-	-	-

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP	Total State Projected Employment	Area I	Area II		Area III		Area IV		Area V
			12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	
354.878-022 Nurse, Practical	70	-	-	-	50	0	20	10	-
355.878-010 Ambulance Attendant	80	-	-	-	-	20	0	-	60
355.878-014 Attendant, Physical Therapy	190	10	0	10	-	-	10	0	160
355.878-018 Child-Care Attendant, School	90	-	-	90	20	-	-	-	-
355.878-022 Cottage Parent	290	-	-	-	-	290	0	-	-
355.878-026 Emergency-Entrance Attendant	10	-	-	10	0	-	-	-	-
355.878-034 Nurse Aid	1,010	140	1,770	260	1,270	220	1,670	510	1,610
355.878-038 Orderly	20	-	-	-	-	20	10	-	270
355.887 Morgue Worker	20	-	-	-	-	-	-	-	-
356.874-010 Animal Caretaker	40	-	-	-	-	-	-	-	-
356.874-038 Kennel Worker	160	10	0	10	0	-	20	10	40
356.874-046 Veterinary-Hospital Attendant	360	50	0	-	150	10	70	0	30
358.878 Locker-Room Attendant	50	-	-	-	-	-	10	0	40
359.868 Escort	60	-	-	-	-	-	-	10	60
359.873 Chauffeur (Domestic)	20	-	-	-	70	20	-	20	0
359.878-026 Child-Care Assistant	200	-	-	-	-	-	-	-	130
359.878 Funeral Attendant	100	20	0	-	30	0	20	0	20
359.883 Chauffeur, Funeral Car Subtotal	10	-	-	-	-	-	-	10	0
	12,330	1,120	1,40	1,960	300	1,500	230	2,140	540
									1,810
									300
									3,800
									930
									2,930
Apparel and Furnishings Services									
361.138-010 Laundry Supervisor	60	-	-	30	0	10	0	-	20
361.885-022 Launderer I	1,110	150	30	170	10	340	0	130	0
361.886-010 Washer Helper, Machine	50	-	-	10	0	40	0	-	140
361.887-010 Laundry Laborer	50	-	-	50	10	-	-	-	-
362.381-010 Spotter	20	-	-	20	0	-	-	-	-
362.782 Drycleaner	180	-	-	20	10	130	20	10	20
362.782-014 Drycleaner Apprentice	90	-	-	10	0	-	50	20	0
362.884-010 Drycleaner, Hand	20	-	-	-	-	-	-	20	0
362.884-030 Spotter	40	-	-	-	-	-	-	40	0
362.886-010 Drycleaner Helper	60	-	-	-	50	0	-	-	10
363.781-010 Silk Finisher	10	-	-	10	0	-	-	-	10
363.782-018 Presser, Machine	190	-	-	-	-	-	-	-	90
363.884-022 Presser, Hand	60	10	0	-	-	-	-	-	90
365.381-014 Shoe Repairer	70	-	-	-	-	-	-	-	20
365.884-010 Shoe Repairer Helper	30	-	-	-	-	-	-	-	0
									0
									20

INSTRUCTIONAL TRAINING PROGRAM										Total		State		Projected	
OCCUPATIONAL GROUP		Total Staff		Area I		Area II		Area III		Area IV		Area V		Area VI	
DO I Number	Job Title	Employees	Employ- ment	Month Need	Now	Month Need	Now	Month Need	Now	Month Need	Now	Month Need	Now	Month Need	Now
366.878	Boatblack	20	10	0	-	-	-	10	0	-	-	-	-	0	*
369.138-010	Dry-Cleaning Superintendent	40	-	-	-	20	0	20	0	-	-	-	-	0	04.15 Personal Services
369.478-014	Service Establishment Attendant	190	-	-	-	100	30	0	40	0	20	10	20	04.15 Personal Services	
369.877-010	Lundrette Attendant	60	-	-	-	10	0	-	30	0	20	0	120	17.16 Fabric Maintenance Service	
369.884-010	Fur Glazer	10	-	-	-	-	-	-	-	-	10	0	0	17.1699 Fabric Maintenance Services, Other	
369.884-022	Laundry Operator	360	-	-	-	-	-	-	-	-	360	120	0	17.1602 Laundering	
369.884-025	Rug Cleaner, Hand	30	10	0	-	-	-	-	-	20	20	-	-	0	17.1601 Drycleaning
	Subtotal	2,750	180	30	340	30	370	40	710	40	470	30	680	130	260
Protective Services															
372.868	Correction Officer	10	-	-	-	-	-	10	0	-	-	-	-	0	*
372.868	Guards	4,520	20	0	-	-	-	70	0	50	0	10	0	4,370	2,130 4,150 *
372.868	Jailor	20	-	-	-	-	-	20	0	-	-	-	-	0	0
375.116-010	Police Chief	10	-	-	-	10	0	-	-	-	-	-	-	0	17.2802 Law Enforcement Training
375.168-030	Detective Chief	30	-	-	-	-	-	-	-	-	-	-	30	0	10
375.268-030	Patrolman	320	40	0	50	0	20	0	120	0	80	20	10	0	17.2802 Law Enforcement Training
376.868-014	Detective I	60	-	-	-	50	10	-	-	-	-	10	0	0	17.2802 Law Enforcement Training
377.868-014	Sheriff, Deputy	290	-	-	-	130	10	50	-	-	10	0	-	100	17.2802 Law Enforcement Training
379.268	Drivers' License Examiner	10	-	-	-	-	-	-	-	-	10	0	-	-	0
379.868	Lifeguard	180	-	-	-	30	0	10	40	-	140	40	-	-	0
	Subtotal	5,450	60	0	270	20	270	90	180	0	250	60	4,420	2,130	4,320
Building and Related Services															
381.137-014	Porter, Head	30	-	-	-	10	0	-	-	10	0	10	0	0	17.11 Custodial Services
381.887-014	Building Interiors Cleaner	30	-	-	-	-	-	-	-	-	30	0	180	0	17.11 Custodial Services
381.887-026	Porter I	80	-	-	-	-	-	-	-	30	0	50	10	380	17.11 Custodial Services
382.884-030	Porter II	50	-	-	-	-	-	40	20	-	-	10	0	0	17.11 Custodial Services
382.884-010	Janitor I	10,020	650	50	1,350	150	800	110	1,196	50	2,940	520	3,090	570	1,790 17.11 Custodial Services
389.138-010	Exterminator Supervisor	20	-	-	-	-	-	-	-	20	0	-	-	0	01.0201 Agricultural Chemicals
389.884	Pestterminator	10	-	-	-	10	10	-	-	-	-	-	-	10	*
389.887-018	Floor Waxer	30	-	-	-	-	-	-	-	-	-	30	0	0	17.11 Custodial Services
389.887-022	Sealer	10	-	-	-	-	-	-	-	-	10	0	-	0	17.11 Custodial Services
389.887	Window Cleaner	30	-	-	-	-	-	-	-	-	-	30	10	10	*
	Subtotal	10,310	650	50	1,370	160	800	110	1,230	70	3,010	520	3,250	770	2,190
TOTAL SERVICE OCCUPATIONS		82,320	7,090	1,420	12,290	1,520	6,600	1,040	10,990	1,980	18,950	5,390	26,400	8,010	26,470

*No Vocational Instructional Training Program Listed.

TABLE 5
FARMING, FISHING, FORESTRY AND RELATED OCCUPATIONS

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM												Total				
1-6 Title	1-6 Title	Total State Projected	Area I 1	Area II 12	Area III 12	Area IV 12	Area V 12	Area VI 12	Month Need	Month Now	Month Need	Month Now	Month Need	Month Now	Month Need	Month Now	Total	State Projected
1-6 Title	1-6 Title	Employ- ment	Month Now	Month Need	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now	Month Now
Plant Farming																		
401.181-010 Farmer, Cash Grain	Farmer, Cash Grain	70	20	0	10	0	30	0	10	0	0	0	0	0	0	0	01.0102 Plant Science	
401.884-010 Farmhand, Grain	Farmhand, Grain	20	0	10	20	0	-	-	-	-	-	-	-	-	-	-	100	01.0102 Plant Science
403.181-010 Vegetable Grower	Vegetable Grower	700	560	40	140	0	-	-	-	-	-	-	-	-	-	-	40	01.0102 Plant Science
405.883-010 Farmhand, Vegetable	Farmhand, Vegetable	950	930	2,030	20	0	-	-	-	-	-	-	-	-	-	-	40	01.0102 Plant Science
404.884-014 Tree Pruner	Tree Pruner	30	-	-	10	0	-	-	-	-	-	-	-	-	-	20	0	01.0299 Ag. Supplies and Services
406.168-010 Nurseryman	Nurseryman	120	-	-	-	-	-	10	0	10	0	100	0	20	20	40	01.0505 Nursery Operation and Management	
406.181-010 Flower Grower	Flower Grower	210	-	-	-	10	10	-	-	-	140	40	60	0	40	01.0502 Horticulture		
406.181-018 Seed Grower	Seed Grower	20	-	-	20	0	-	-	-	-	-	-	-	-	-	0	01.0102 Plant Science	
406.884-010 Laborer, Nursery	Laborer, Nursery	330	-	-	-	-	-	-	-	150	0	180	-	230	400	01.0505 Nursery Operation and Management		
406.887-010 Bagger-and-Burlap Man	Bagger-and-Burlap Man	20	-	-	-	-	-	-	-	-	10	50	10	10	10	20	01.0505 Nursery Operation and Management	
406.887-030 Nursery Worker	Nursery Worker	260	-	-	-	-	-	0	50	90	360	170	20	20	350	01.0505 Nursery Operation and Management		
407.137-010 Greenskeeper I	Greenskeeper I	210	70	60	10	0	20	0	20	0	90	100	0	120	300	01.0506 Turf Management		
407.138-010 Superintendent, Greens	Superintendent, Greens	10	-	-	-	10	0	-	-	-	-	-	-	-	-	0	01.0506 Turf Management	
407.138-014 Tree-Trimming Supervisor	Tree-Trimming Supervisor	20	-	-	-	-	-	20	0	-	-	-	-	-	-	270	01.0504 Landscaping	
407.181-010 Landscape Gardener	Landscape Gardener	110	10	0	20	100	-	-	10	0	-	-	-	-	-	0	01.0602 Recreation	
407.868-010 Park Caretaker	Park Caretaker	16	-	-	-	-	-	-	40	40	-	-	-	-	-	70	*	
407.883 Laborer, Golf Course	Laborer, Golf Course	80	-	-	40	0	40	40	-	-	-	-	-	-	-	0	*	
407.884-010 Groundskeeper	Groundskeeper	1,020	80	40	60	0	20	10	180	0	390	150	290	50	100	01.0504 Landscaping		
407.887 Cemetery Worker	Cemetery Worker	150	10	0	10	0	10	0	30	10	80	0	10	0	20	*		
407.887 Laborer, Landscape	Laborer, Landscape	40	-	-	-	-	-	-	-	-	-	40	0	0	0	*		
407.887-022 Park Worker	Park Worker	90	-	-	80	0	-	-	0	20	10	0	-	-	-	0	01.0602 Recreation	
409.168-010 Manager, Farm	Manager, Farm	130	20	10	20	0	-	-	50	0	40	0	-	-	-	0	01.0104 Farm Business Management	
409.181-010 Tenant Farmer	Tenant Farmer	360	30	0	110	10	80	0	120	10	20	0	-	-	-	0	01.0104 Farm Business Management	
409.181-014 Tree Surgeon	Tree Surgeon	30	-	-	-	-	-	-	10	0	20	0	-	-	-	0	01.0501 Arboriculture	
409.883-010 Farm-Equipment Operator	Farm-Equipment Operator	510	90	120	50	60	20	40	170	70	170	40	10	60	60	540	01.0301 Agricultural Power & Machinery	
409.884 Sharecropper	Sharecropper	30	30	0	-	-	-	-	-	0	10	-	-	-	-	0	*	
409.884-014 Tree-Surgeon Helper	Tree-Surgeon Helper	10	-	-	-	-	-	-	10	20	0	30	-	-	-	60	01.0501 Arboriculture	
409.887 Airplane-Pilot Helper	Airplane-Pilot Helper	20	-	-	-	-	-	-	20	0	-	-	-	-	-	0	*	
	Subtotal																	
Animal Farming																		
411.181-010 Farmer, Dairy	Farmer, Dairy	186	20	0	40	0	40	0	50	0	30	0	20	20	0	0	01.0101 Animal Science	
411.884-010 Farmhand, Dairy	Farmhand, Dairy	120	30	0	20	20	0	0	30	20	20	0	20	0	-	-	10 01.0101 Animal Science	

INSTRUCTIONAL TRAINING PROGRAM																				
OCCUPATIONAL GROUP		Total State		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State				
DO T Number	Job Title	Projected Employ- ment	New	12 Month Need	12 Month New	Projected 2 Year Need	H.F.W Number	Program												
412.168-010	Manager, Hatchery	20	-	20	0	-	-	-	-	-	-	-	-	-	-	-	10	01.0401	Food Products	
412.181-018	Poultryman, Egg	70	-	10	0	-	-	30	0	-	-	30	0	-	-	-	0	01.0101	Animal Science	
412.181-022	Poultryman, Meat	30	-	-	-	20	0	10	0	-	-	-	-	-	-	-	0	01.0101	Animal Science	
412.387-010	Poultry Technician	10	-	-	10	0	-	-	-	-	-	-	-	-	-	-	0	01.0299	Ag. Supplies and Services, Other	
412.687-010	Chick Grader	10	-	-	10	0	-	-	-	-	-	-	-	-	-	-	0	01.0199	Ag. Supplies and Services, Other	
412.884-014	Farmhand, Poultry	220	-	-	-	220	400	0	60	-	-	-	-	-	-	-	10	0	*	
412.886	Egg-Washing Machine Operator	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	01.0101	Animal Science	
412.887-014	Laborer, Hatchery	30	-	-	-	-	-	30	0	-	-	-	-	-	-	-	0	01.0299	Ag. Supplies and Services, Other	
412.887-018	Poultry Debeaker	30	-	-	30	0	-	-	-	-	-	-	-	-	-	-	-	0	0	*
413.131-010	Stock-Ranch Supervisor	40	10	0	30	10	-	-	-	-	-	-	-	-	-	-	10	01.0101	Animal Science	
413.181-010	Cattle Rancher	2,570	1,100	20	570	40	670	0	190	0	20	0	20	0	-	-	120	01.0101	Animal Science	
413.181-018	Herdsman, Swine	40	10	0	-	-	-	-	10	0	20	0	-	-	-	-	0	01.0101	Animal Science	
413.184-018	Farmhand, Livestock	1,340	70	20	90	50	420	170	600	80	120	50	40	0	-	-	190	01.0101	Animal Science	
413.884-030	Ranch Hand	2,370	1,780	480	350	180	200	0	10	0	30	0	-	-	-	-	670	01.0101	Animal Science	
419.181-014	Beekeeper	130	-	-	20	0	-	-	90	40	10	10	-	-	-	-	30	01.0101	Animal Science	
	Subtotal	7,260	3,020	520	1,200	300	1,590	570	1,050	200	250	60	150	10	-	-	1,550			
Miscellaneous Farming and Related																				
421.181-010	Farmer, General	12,440	1,600	90	2,350	40	2,300	40	3,450	80	2,270	20	470	0	210	01.01	210	Agricultural Products		
421.883-010	Farmhand, General	5,810	1,090	430	930	170	810	190	1,400	510	1,490	620	90	-	60	1,760	01.01	Agricultural Products		
422.137-010	Irrigation Head	40	-	-	-	-	-	40	0	-	-	-	-	-	-	0	01.0304	Water Management		
422.887-014	Irrigator, Sprinkler System	130	30	110	-	-	10	10	0	10	90	40	-	-	-	20	01.0304	Water Management		
423.999	Farm Couple	20	-	-	0	20	-	-	-	-	-	-	-	-	-	0	01.0304	Water Management		
424.886-010	Chopper Operator, Stationary	0	-	-	-	20	10	-	-	-	-	-	-	-	-	10	10	0	01.0301	Agriculture Power & Machinery
429.885-010	Laborer, Seed Corn	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	01.0102	Plant Science	
429.887-014	Grubber	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10	01.99	Agriculture, Other		
	Subtotal	18,490	2,720	630	3,300	240	3,180	260	4,860	600	3,860	680	570	70	-	-	2,020			
Fishery and Related																				
436.884-022	Hatcheryman	20	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	01.0607 Fish (including Farms and Hatcheries)	
	Subtotal	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	

INSTRUCTIONAL TRAINING PROGRAM														
OCCUPATIONAL GROUP	D.C.T. Number	Job Title	Area I		Area II		Area III		Area IV		Area V		Area VI	
			Total State Projected Employ- ment	Month Need	Total Month Need	Month Need	Total Month Need	Month Need	Total Month Need	Month Need	Total Month Need	Month Need	Total Month Need	Month Need
Agriculture Service														
465.137-014		Hay Supervisor	0	0	10	-	-	-	-	-	-	-	-	-
465.731-010		Weed Inspector	110	-	10	9	-	-	60	0	40	40	-	0
466.88-010		Livestock Caretaker, Yard-or- In-Transit	1,890	210	0	450	80	720	200	360	50	40	0	110
469.834		Sheep Shearer	30	30	0	-	-	-	-	-	-	-	-	-
		Subtotal	2,030	240	10	460	80	720	200	420	50	60	40	110
		Self-Employed Farmers	52,470 ^a	2,669 ^a	83 ^b	4,794 ^a	110 ^b	12,498 ^a	215 ^b	15,822 ^a	273 ^b	13,977 ^a	225 ^b	2,710 ^a
TOTAL FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS														
	85,830	10,499	3,553	10,374	900	18,228	1,345	22,812	1,313	19,417	1,805	4,500	675	8,322

TABLE 6
PROCESSING OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Total State		Area I		Area II		Area III	
DO I Number	Job Title	Projected Employ- ment	Month Need	Month New	Month Need	Month New	Month Need	Month New	Month Need
519.887-022	Ore Refining and Foundry Occupations								
General		700							
Subtotal		700							
Processing of Food, Tobacco, & Related Products									
520.782-034	Dough Mixer	10							
520.885-122	Feed Mixer	590	20	40	70	0	80	20	40
520.885	Pellet-Mill Operator	10					10	0	
520.885	Sausage Maker	10					10	0	
520.885	Stuffer	100							
520.886-026	Feed-Mixer Helper	190					40	0	
521.130	Mill Supervisor	20							
521.885-122	Egg-Breaking Machine Operator	630					630	750	
521.885-134	Feed Grinder	50					10	0	
521.885	Meat Grinder	100							
521.885	Monitor-and-Storage-Bin Tender	20							
521.885-302	Processor, Grain	860	60	60	200	40	100	90	0
521.886-026	Custom-Feed-Mill-Operator Helper	280	10	10			260	60	
521.887	Sausage-Meat Trimmer	20							
522.782-010	Cottage-Cheese Maker	40						40	0
522.782-042	Smoker	10							
522.884-014	Pickler	40						40	0
523.885-070	Dehydrator Man	150					70	70	0
523.885	Drier Attendant	130					20	0	
523.885	Render Worker	90					90	160	
524.381-010	Cake Decorator	20							
524.782	Dipper, Machine	20					20	0	
524.884-022	Icer, Hand	10						10	10
525.381-010	Butcher, All-Around	2,730	970	360	30	0	120	490	120
525.884	Boner, Meat	20						10	0
525.884	Sticker, Animal	30	10	0	20				
525.887	Cooler Worker	80	60	0					
525.887	Poultry Dresser	300							
525.887	Trimmer, Meat	10	10	0					
526.134	Cook, Mexican Food	10	10	0					
526.781-010	Baker	10							
526.782-030	Cook, Kettle	330						330	330
526.884	Donut Maker	20							
526.885-038	Oven Man	150							

INSTRUCTIONAL TRAINING PROGRAM																								
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I			Area II			Area III			Area IV			Area V			Area VI			Total State Projected 2 Year Need			
			Total State Projected	State Employment	12 Month Need	H.E.W. Number	Program																	
526.886-010 Baker Helper	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.2901	Baker		
529.138-026 Superintendent, Grain Elevator	940	100	0	150	0	120	0	190	0	310	20	70	70	70	70	70	70	70	70	0	30	01.0202	Feeds	
529.138-030 Supervisor, Specialty Food Products	60	40	0	-	-	10	0	-	-	10	0	-	-	-	-	-	-	-	-	0	01.0401	Food Products		
529.381 Candy Maker	20	-	-	-	-	-	-	-	20	0	-	-	-	-	-	-	-	-	-	0	0	0	*	
529.381-018 Cheese Maker	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0401	Food Products
529.387-030 Grader	10	-	-	-	-	-	-	-	-	10	0	-	-	-	-	-	-	-	-	0	0	0	01.0401	Food Products
529.687-018 Egg Candler	330	-	-	-	-	330	350	-	-	-	-	-	-	-	-	-	-	-	-	350	01.0401	Food Products		
529.687-054 Sorter, Agricultural Products	180	-	-	150	0	-	-	30	0	-	-	-	-	-	-	-	-	-	-	0	01.0401	Food Products		
529.782-022 Cheese Maker, Helper	140	-	-	-	-	-	-	20	0	110	0	-	-	-	-	-	-	-	-	0	0	0	01.0401	Food Products
529.782-030 Dairy-Processing Equipment Operator	140	-	-	-	-	-	-	50	10	-	-	50	0	-	-	-	-	-	40	0	0	10	01.0401	Food Products
529.885 Freezer-Man Helper	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	30	0	*	
529.886-018 Dairy Helper	60	-	-	-	-	-	-	-	-	-	-	60	0	-	-	-	-	-	-	0	0	0	01.0401	Food Products
529.887 Cook Helper	510	-	-	-	-	-	-	-	-	-	-	510	20	-	-	-	-	-	-	40	*	*	*	
Subtotal	9,630	1,290	470	750	200	1,920	1,550	1,330	580	1,960	-	-	-	-	-	-	-	-	300	2,380	350	4,200		
Processing of Paper & Related Materials											Subtotal			Subtotal			Subtotal			Subtotal				
539.885 Baler	270	-	-	-	-	-	-	-	-	-	20	10	-	-	-	-	-	-	-	250	0	0	10	
Subtotal	270	-	-	-	-	-	-	-	-	-	20	10	-	-	-	-	-	-	-	250	0	0	10	
Processing of Petroleum, Coal, Natural and Manufactured Gas, and Related Products											Subtotal			Subtotal			Subtotal			Subtotal				
540.782 Blender	150	-	-	-	-	-	-	-	-	-	20	10	-	-	-	-	-	-	-	250	0	0	10	
Subtotal	150	-	-	-	-	-	-	-	-	-	20	10	-	-	-	-	-	-	-	250	0	0	10	
Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products											Subtotal			Subtotal			Subtotal			Subtotal				
550.782 Mixer	40	-	-	-	-	-	-	-	-	-	40	0	-	-	-	-	-	-	-	20	*	*	*	
550.885 Compounder	30	-	-	-	-	-	-	-	-	-	30	10	-	-	-	-	-	-	-	10	*	*	*	
554.782 Coater	900	-	-	-	-	-	-	-	-	-	900	0	-	-	-	-	-	-	-	0	*	*	*	
556.885-102 Vacuum-Plastic-Forming-Machine Operator	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	0	0	10	
Chemical Operator II	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320	0	0	*	
Chemical Operator III	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	0	0	*	
Presser (Rubber Goods)	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	40	-	*	
Labored, Chemical Processing	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	0	0	10	
Subtotal	2,380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	50	1,040	0	
Subtotal	2,380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	50	1,140	0	

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
		1.1.1 Superv. P. Op.	1.1.2 Superv. M. M.	1.1.3 Superv. M. M.	1.1.4 Superv. M. M.	1.1.5 Superv. M. M.	1.1.6 Superv. M. M.	1.1.7 Superv. M. M.	1.1.8 Superv. M. M.	1.1.9 Superv. M. M.	1.1.10 Superv. M. M.	1.1.11 Superv. M. M.	1.1.12 Superv. M. M.			
1.1.1 Superv. P. Op.	1.1.2 Superv. M. M.	1.1.3 Superv. M. M.	1.1.4 Superv. M. M.	1.1.5 Superv. M. M.	1.1.6 Superv. M. M.	1.1.7 Superv. M. M.	1.1.8 Superv. M. M.	1.1.9 Superv. M. M.	1.1.10 Superv. M. M.	1.1.11 Superv. M. M.	1.1.12 Superv. M. M.	1.1.1 Superv. P. Op.	1.1.2 Superv. M. M.			
Processing of Stone, Clay, Glass, and Related Products																
570.885	Concrete-Mixer Operator	130	-	-	30	0	-	-	30	20	10	0	60	0	0	*
573.782	Kiln Burner Auslachader-Machine Operator	40	-	-	-	-	-	-	40	20	-	-	-	40	0	*
574.782	Brick-and-Tile-Making- Machine Operator	20	-	-	-	-	-	-	20	0	-	-	-	0	0	*
575.782	Brick-and-Tile-Making- Machine Operator	180	-	-	-	-	-	-	-	180	120	-	-	-	250	*
579.151	Supervisor, Concrete-Block Plant	130	-	-	-	10	0	-	30	0	50	10	50	0	0	*
579.157	Supervisor, Cement Laborer, Concrete Plant	20	-	-	-	-	-	-	10	0	-	-	-	0	0	*
579.886	Laborer, General (Brick and Tile)	1,190	-	-	-	-	-	-	150	90	1,000	500	40	30	1,160	*
579.887	Subtotal	870	-	-	-	40	0	-	240	110	2,150	1,070	150	30	2,160	*
Processing of Leather, Textiles, and Related Products																
582.782	Picker Folding-Machine Operator	310	-	-	-	-	-	-	-	-	-	-	310	10	0	*
589.885	Subtotal	40	-	-	-	-	-	-	40	20	-	-	-	40	0	*
599.885	Mill Operator Sterilizer	350	-	-	-	-	-	-	40	20	-	-	-	40	0	*
599.885	Subtotal	190	-	-	-	-	-	-	100	100	-	-	-	90	0	*
TOTAL PROCESSING OCCUPATIONS																
		16,779	1,290	470	810	200	2,030	1,650	2,530	920	5,350	1,390	4,760	470	6,740	

*No. Vocational Instructional Training Program Listed

TABLE 7
MACHINE TRADES OCCUPATIONS

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM														
		Total State Projected		Area I		Area II		Area III		Area IV		Area V		Area VI		
DOE I Number	Job Title	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	
Metal Machining																
600.131-010	Machine Shop Supervisor, Tool Machinist I	90	10	0	30	0	30	-	-	-	-	20	0	0	17.2302	
600.280-030	Maintenance-Machinist	3,070	40	10	270	40	-	-	-	-	680	1,170	640	2,670		
600.280-054	Patternmaker, Metal	1,150	-	-	-	40	50	-	-	-	-	1,110	540	50	17.2302	
600.281-066	Machine Builder	120	-	-	-	-	-	-	-	-	-	120	0	0	17.2302	
600.281-018	Machine Set-Up Operator	120	-	-	-	-	-	-	-	-	-	120	0	10	17.2302	
600.380-026	Lay-Out Man	800	-	-	-	-	-	800	100	-	-	-	-	0	17.2302	
600.381-010	Tool-and-Die Supervisor	70	-	-	-	-	-	-	-	-	-	70	0	10	17.2302	
601.130-010	Tool-and-Die Supervisor	40	-	-	-	-	-	-	-	10	0	30	0	0	17.2307	
601.280-014	Die Maker, Die-Casting and Plastic Molding	30	-	-	-	-	-	-	-	-	-	30	0	0	17.2307	
601.280-030	Die Sinker	320	-	-	-	-	-	-	-	-	-	320	170	350	17.2307	
601.280-058	Tool Maker	60	-	-	-	-	-	-	-	-	-	60	0	0	17.2307	
36	601.280-062	Tool-and-Die Maker	1,080	-	-	-	-	-	30	0	470	110	580	110	180	17.2307
601.280-066	Tool-and-Die Maker	30	-	-	-	-	-	-	-	-	-	30	0	0	17.2307	
601.280-070	Apprentice Tool-Machine Set-Up Operator	10	-	-	-	-	-	-	-	-	-	10	0	0	17.2307	
601.281-038	Tool-Machine Set-Up Operator	29	-	-	-	-	-	-	-	-	-	20	0	0	17.2307	
601.281-046	Tool Maker, Bench	10	-	-	-	-	-	-	-	-	-	10	0	0	17.2307	
601.381-030	Plastic Tool Maker	170	-	-	-	-	-	-	-	170	50	-	-	100	17.2307	
603.782-018	Buffing-Machine Operator	40	-	-	-	-	-	-	-	-	-	40	0	0	17.2303	
603.782	Polishing-Machine Operator	170	-	-	-	-	-	-	-	-	-	170	0	0	17.2303	
604.280-010	Engine-Lathe Set-Up Operator	10	-	-	-	-	-	-	-	-	-	10	0	0	17.2303	
605.782-034	Pantograph-Machine Set-Up Operator	60	-	-	-	-	-	-	-	-	-	60	0	0	17.2303	
605.885-034	Milling-Machine Operator, Production	50	-	-	-	-	-	-	-	-	-	50	0	0	17.2303	
606.782-018	Drill-Press Operator, Production	30	-	-	-	-	-	-	-	-	-	30	0	0	17.2303	
609.884	Laboter, General (Machine Shop)	60	-	-	-	-	-	-	-	-	-	60	0	0	17.2303	
609.885-022	Production-Machine Operator	400	-	-	-	-	-	-	-	-	-	400	10	-	*	
609.885-026	Transfer-Machine Operator	2,100	-	-	-	-	-	-	-	-	-	2,100	300	-	300	
Subtotal		180	-	180	80	-	-	-	-	-	-	180	100	4,740	1,470	
		50	-	10	480	120	70	50	50	830	100	1,150	4,110	1,470	3,840	

INSTRUCTIONAL TRAINING PROGRAM										
OCCUPATIONAL GROUP			Area I			Area II			Area III	
Total State Projected Employ- ment	DO I Number:	I.E. Inte-	12 Month Now	12 Month Need	12 Month Now	12 Month Now	12 Month Need	12 Month Now	12 Month Need	
Metalworking, Other										
610.381-010 Blacksmith	80		50	0	10	0	10	0	10	0
610.782-010 Drop-Hammer Operator	10		10	0	-	-	-	-	-	0
610.884-010 Blacksmith Helper	20		-	20	0	-	-	-	-	0
612.131-010 Forge-Shop Supervisor	10		10	0	-	-	-	-	-	0
615.782-038 Punch-Press Operator II	500		-	-	-	500	50	-	-	50
615.782-050 Shear Operator I	70		-	-	-	70	-	70	0	0
616.380-018 Machine Operator I	1,040		-	-	110	40	-	-	930	60
616.380-026 Set-Up Man I	30		-	-	-	-	-	-	30	0
616.380-030 Set-Up Man.			-	-	10	0	-	200	50	0
Sheet Metal	240		-	-	-	-	-	-	30	0
617.380-010 Brake Operator I	120		-	-	-	-	-	-	120	10
619.380-022 Metal Fabricator I	1,810		-	-	-	-	-	-	1,360	310
619.380-038 Punch-Press			-	-	-	-	-	-	-	300
Set-Up Worker	30		-	-	-	-	-	-	30	0
619.885-070 Machine Operator II	30		-	-	-	30	0	-	-	0
Subtotal	3,990		-	-	-	70	0	120	40	1,150
						70	0	100	100	2,580
Mechanics and Machinery Repairers										
620.131 Garage Supervisor	20	20	0	-	-	-	-	-	-	0
620.281-014 Automobile Mechanic	3,810	60	20	240	40	410	70	340	80	1,050
620.281-034 Brakeman, Automobile	30	-	-	-	-	-	-	-	-	1,710
620.281-038 Bus Inspector	20	-	-	-	-	-	-	-	30	0
620.281-046 Construction-Equipment Mechanic	210	-	-	-	-	-	-	-	210	20
620.281-058 Engineering-Equipment Mechanic	130	-	50	30	10	40	20	0	-	50
620.281-062 Front-End Repairer	90	-	40	10	-	10	0	40	30	-
620.281-070 Mechanic, Industrial Truck			-	-	-	-	-	-	-	110
620.281-074 Mechanical-Maintenance Worker	1,550	80	40	-	-	210	40	150	30	130
620.281-086 Motorcycle Repairer			-	-	-	-	-	-	-	340
620.281-094 Tractor Mechanic	160	-	-	-	-	30	10	0	120	40
620.381-010 Automobile-Radiator Repairer			-	-	-	-	-	-	-	30
620.381-014 Automobile-Service Mechanic I	100	30	0	20	10	-	-	-	-	0
620.884-010 Automobile-Mechanic Helper	3,940	450	70	710	80	350	30	510	90	1,070
	810	10	0	80	0	-	-	10	0	70
									50	640
									70	520

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP

OCCUPATIONAL GROUP	INSTRUCTIONAL TRAINING PROGRAM											
	Area I			Area II			Area III			Area IV		
	12 Month Projected Enrollment											
6.21.284.0122 Construction Equipment-Mechanic Helper	100	-	-	60	20	-	-	-	-	40	-	0
6.21.284.0150 Loader-Mechanic Helper	100	-	-	-	-	-	-	100	40	-	-	40
6.21.284.0110 Wrecker	80	-	-	-	-	-	70	0	-	10	0	0
6.21.281.0110 Aircraft and Engine Mechanic	320	-	-	-	-	-	0	10	0	10	320	20
6.21.281.0138 Flight Instrument Mechanic	10	-	-	-	-	-	-	-	-	10	0	0
6.23.281.026 Machinist, Marine Engine	30	-	-	30	0	-	-	-	-	-	-	0
6.23.281.0110 Farm Equipment Mechanic	1,990	180	20	270	40	170	0	690	160	150	60	20
6.23.381.0110 Farm Equipment Mechanic II	40	-	-	-	-	-	30	20	10	0	-	10
6.23.381.0114 Farm-Machinery Set-Up Man	640	-	-	150	30	30	0	120	40	320	20	20
6.24.781.0110 Assembly Repairer	40	-	-	-	-	-	-	40	10	-	-	0
6.25.281.0110 Diesel Mechanic	240	50	20	-	-	40	10	0	20	140	10	0
6.25.281.0134 Gasoline-Engine Repairer	150	-	-	30	0	-	-	-	80	20	40	20
6.25.284.0110 Glazier	0	0	20	-	-	-	-	-	-	-	-	20
6.26.281 Machine Repairer, Maintenance	30	-	-	-	-	30	30	-	-	-	-	0
6.27.281 Press, Maintenance	10	-	-	10	0	-	-	-	-	-	-	0
6.29.281 Baker-Machine Mechanic	10	-	-	10	0	-	-	-	-	-	-	0
6.29.281 Carton-Forming-Machine Adjuster	10	-	-	-	-	-	-	-	-	-	10	0
6.30.281 Pump Servicer	40	-	-	-	-	-	-	-	-	-	40	0
6.32.281 Gunsmith	20	-	-	10	0	-	-	-	-	10	0	0
6.33.281 Cash-Register Servicer	20	-	-	-	-	-	-	-	-	-	20	0
6.33.281.0130 Office-Machine Servicer	320	-	50	0	-	-	20	0	150	10	100	0
6.37.281.0110 Air-Conditioning Mechanic, Commercial	30	-	-	-	-	-	-	-	-	20	10	0
6.37.281.0114 Air-Conditioning Mechanic, Domestic	20	-	-	-	10	10	-	-	-	-	10	17.01
6.37.281.0118 Gas Servicer	60	-	-	-	-	-	-	-	-	-	10	0
6.37.281.0122 Gas Appliance Servicer	600	70	0	30	0	-	10	0	50	0	0	17.02

INSTRUCTIONAL TRAINING PROGRAM																		
OCCUPATIONAL GROUP		I-141 State Projected 1 Month Imple- ment		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected		
1001 Number	I-141 Title	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	H.I. W. Number	Program	
637.281-034	Refrigeration Mechanic	60	-	-	-	-	-	-	-	10	0	50	30	0	0	0	17.0101 Cooling	
637.381-014	Refrigeration Unit Repairer	40	-	-	-	-	-	-	-	40	20	-	-	20	17.0101 Cooling			
638.281-010	Automated-Equipment Engineer	10	-	-	-	-	-	-	-	10	0	-	-	-	0	0	16.0113 Mechanical Technology	
638.281	Maintenance Mechanic	250	-	-	10	0	-	-	90	0	130	0	20	0	0	0		
638.281	Saltspreader	80	-	-	-	-	-	-	50	30	-	-	30	0	0	0		
638.884	Maintenance-Mechanic	60	-	-	-	-	-	-	-	60	30	-	-	10	0	0		
639.281	Helper	30	-	-	-	-	-	-	-	20	0	10	0	0	0	0		
639.381	Sewing-Machine Repairer	250	-	-	-	-	-	10	10	-	10	0	230	20	60	0		
639.884	Vending-Machine Servicer	10	-	-	-	-	-	-	-	-	-	-	-	-	0	0		
639.884	Bicycle Repairer	40	-	-	-	-	-	-	-	-	-	-	-	0	0	0		
	Subtotal	16,700	950	190	1,820	270	1,180	230	2,340	490	4,390	940	6,020	870	3,600			
Paperworking																		
640.782	Shutter-Screwer Cut-Off Operator	40	-	-	-	-	-	-	40	40	-	-	-	-	40	0		
643.885	Bindery Worker	1,250	-	-	-	-	-	-	-	1,120	140	130	30	30	210	0		
649.130	Supervisor, Paper Products	200	-	-	-	-	-	-	160	0	20	0	20	0	0	0		
649.687	Paper Sorter and Counter	30	-	-	-	-	-	-	-	30	0	-	-	0	0	0		
649.885	Folding-Machine Operator	20	-	-	-	-	-	-	-	-	-	-	20	0	0	0		
	Subtotal	1,540	-	-	-	-	-	-	-	200	40	1,170	140	170	30	250		
Printing																		
650.582-014	Linotype Operator	170	110	20	0	-	-	-	20	20	30	10	-	-	-	20	17.1901 Composition, Make-Up, & Typesetting	
650.885-010	Typesetting-Machine Tender	20	20	0	-	-	-	-	-	-	-	-	-	-	-	0	17.1901 Composition, Make-Up, & Typesetting	
651.130-010	Supervisor, Press Room	40	-	-	-	-	-	-	-	40	0	-	-	-	0	0	17.1902 Printing Press Occup.	
651.782-042	Offset-Press Man	240	50	0	30	0	-	-	20	30	50	10	90	10	0	0	17.1902 Printing Press Occup.	
651.782-062	Printer-Shorter	30	-	-	-	-	-	-	-	-	-	-	-	30	0	0	17.1902 Printing Press Occup.	
651.782-066	Printing-Press Operator	40	20	0	-	-	-	-	-	20	0	10	0	0	0	0	17.1902 Printing Press Occup.	
651.782-094	Web-Press Operator	1,150	120	0	20	10	0	0	10	0	850	120	130	40	110	0	0	
651.885-014	Offset-Press Operator	280	-	-	30	0	-	-	-	-	-	-	250	80	270	17.1902 Printing Press Occup.		
652.782	Box Printer	320	-	-	-	-	-	-	-	-	-	-	-	40	0	0		

INSTRUCTIONAL TRAINING PROGRAM																					
OCCUPATIONAL GROUP		D.O.T. Number		Job Title		Area I		Area II		Area III		Area IV		Area V		Area VI		Total State Projected 2 Year Need	H.I.W. Number	Program	
Total State Projected Employment	State Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Projected 2 Year Need	H.I.W. Number	Program											
652.885	Tickerter	30	-	20	0	-	-	-	-	-	-	-	-	30	20	-	-	40	*		
653.131-010	Supervisor, Bindery	20	-	20	0	-	-	-	-	-	-	-	-	-	-	-	-	20	17.1906	Bookbinding	
653.780-010	Casing-In-Line Set-Up Operator	30	-	-	20	0	-	-	10	0	-	-	-	-	-	-	-	0	17.1906	Bookbinding	
653.782-014	Folding-Machine Operator	170	-	-	-	-	-	-	-	-	-	-	-	170	50	130	17.1906	Bookbinding			
653.886-014	Folding-Machine Feeder	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1906	Bookbinding		
653.130-010	Supervisor, Printing-Shop	50	-	-	-	-	-	-	-	-	-	-	-	10	0	40	0	0	17.19	Graphic Arts Occupations	
659.782-034	Sign Writer, Machine	10	-	-	-	-	-	-	-	-	-	-	-	10	0	0	0	0	17.1999	Graphic Arts, Other	
659.885-014	Perforating-Machine Operator	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1906	Bookbinding		
	Subtotal	2,630	-	340	20	110	10	30	0	340	60	0	1,050	160	760	180	610				
Wood Machining																					
660.131-010	Cabinetmaker, Supervisor	20	10	0	-	-	-	-	-	-	-	-	10	0	-	-	-	0	17.3601	Millwork & Cabinetmaking	
660.280-010	Cabinetmaker	260	70	20	-	-	-	-	-	-	-	-	120	60	70	20	20	60	17.3601	Millwork & Cabinetmaking	
660.280-014	Cabinetmaker, Apprentice	30	-	-	-	-	-	-	-	-	-	-	20	-	-	-	0	10	17.3601	Millwork & Cabinetmaking	
665.782-046	Router Operator	60	-	-	40	20	-	-	-	-	-	-	20	0	-	-	-	20	17.3601	Millwork & Cabinetmaking	
666.782	Driller and Plugger (Sports Eq.)	20	-	-	10	0	10	0	-	-	-	-	40	0	-	-	-	0	30	17.3601	Millwork & Cabinetmaking
667.782-070	Jigsaw Operator	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	0	0	17.3699	Woodworking, Other
667.782-114	Sawmill Worker	30	-	-	-	-	-	-	-	-	-	-	30	0	-	-	-	0	17.3601	Millwork & Cabinetmaking	
667.885-014	Band-Saw Operator	30	-	-	-	-	-	-	-	-	-	-	10	0	180	0	0	0	17.3601	Millwork & Cabinetmaking	
669.380-010	Millman	490	300	40	-	-	-	-	-	-	-	-	-	-	-	-	60	10	20	*	
669.782	Box-Blank-Machine Operator	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	20	70	17.3601	Millwork & Cabinetmaking
669.782-074	Woodworking-Machine Operator	160	-	-	-	-	-	-	20	10	0	-	-	230	60	550	70	210			
Textile Occupations																					
681.885-050	Quilling-Machine Operator	70	-	-	-	-	-	-	-	-	-	-	70	10	-	-	-	-	100	17.3399	Textile Production and Fabrication, Other
683.130-014	Loom Fixer Overseer	60	-	-	-	-	-	-	-	-	-	-	60	50	-	-	-	-	20	17.3399	Textile Production and Fabrication, Other
683.280-018	Loom Fixer	80	-	-	-	-	-	-	-	-	-	-	80	30	-	-	-	-	60	17.3399	Textile Production and Fabrication, Other
683.380-010	Harness Builder	10	-	-	-	-	-	-	-	-	-	-	10	0	-	-	-	0	17.3399	Textile Production and Fabrication, Other	
683.684-014	Weaving Inspector	70	-	-	-	-	-	-	-	-	-	-	70	20	-	-	-	-	50	17.3399	Textile Production and Fabrication, Other

INSTRUCTIONAL TRAINING PROGRAM											
OCCUPATIONAL GROUP		D.O.T. Number	Job Title	Total State Protected Employment		Area I		Area II		Area III	
Total State Protected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	
683.885	Smash Hand	60	-	-	-	-	-	60	20	-	-
683.885-038	Twister-In	10	-	-	-	-	-	10	0	-	-
689.885	Loom-Winder Tender	160	-	-	-	-	-	160	60	-	-
689.885	Quiller Operator	110	-	-	-	-	-	110	80	-	-
689.886	Utility-Man, Woolen Mill	30	-	-	-	-	-	30	20	-	-
	Subtotal	660	-	-	-	-	-	660	290	-	-
Machine Trades, Other											
690.885	Cutting-Machine Tender	90	-	-	-	-	-	90	20	-	-
692.885	Loading-Machine Operator I	40	-	-	-	-	-	40	0	-	-
692.885	Stapling-Machine Operator	10	-	-	-	-	-	-	10	-	-
699.782	Cutter Operator	180	-	-	-	-	-	-	120	50	-
	Subtotal	320	-	-	-	-	-	40	0	220	80
	TOTAL MACHINE TRADES OCCUPATIONS	37,340	1,720	280	2,530	420	1,360	280	4,530	1,020	12,950

*No Vocational Instructional Training Program Listed

TABLE 8
BENCH WORK OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM											
OCCUPATIONAL GROUP		D.O.T. Number	Job Title	Total State Protected Employment		Area I		Area II		Area III	
Total State Protected Employment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	
700.281	Jeweler	260	-	-	20	0	20	0	30	0	120
704.381-026	Engraver, Decorative Laborer, Grinding & Polishing	10	-	-	-	-	-	-	-	-	-
705.887-014	Assembler, Product	20	-	-	-	-	-	-	-	-	-
706.884	Locksmith	3,580	-	-	-	-	-	-	-	-	-
709.281	Subtotal	20	-	-	-	-	-	-	-	-	-
		3,890	-	-	20	0	170	0	30	0	2,510

* 0 17.3399 Textile Production and Fabrication, Other
* 0 17.3399 Metalworking, Other
* 0 17.3399 Metalworking, Other

OCCUPATIONAL GROUP

D.O.T. Number	Job Title	Total State Projected Employ- ment	Area I 12 Month Need	Area II 12 Month Need	Area III 12 Month Need	Area IV 12 Month Need	Area V 12 Month Need	Area VI 12 Month Need	Total State Projected 12 Year Need	H.I.W. Number Program			
										12 Month Now	12 Month Now		
INSTRUCTIONAL TRAINING PROGRAM													
710.281-018	Instrument Repairer	80	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
711.138-010	Supervisor, Optical Instruments	20	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
711.381	Optician, Contact Lens Dispensing	10	-	10	0	-	-	-	0	*			
711.381-010	Benchman II	160	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
711.384-010	Lens Inspector II	120	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
711.381-018	Lens Grinder	120	-	-	-	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
712.281-010	Dental Ceramist	10	-	-	-	-	-	-	0	07.0103	Dental Lab. Technology		
712.281-018	Orthopedic-Appliance-and- Limb Technician	50	-	-	-	-	-	-	0	07.0404	Orthotics		
712.381-014	Dental Laboratory Technician	110	-	20	0	-	-	-	0	07.0103	Dental Lab. Technology		
712.781	Leather Worker	30	-	-	-	-	-	-	0	*			
713.251-010	Optical Dispensing	90	-	10	0	-	-	-	0	07.0601	Ophthalmic Dispensing		
713.864-066	Mounter and Repairer	80	-	-	-	-	-	-	0	07.0601	Ophthalmic Dispensing		
714.281-014	Camera Repairer	50	-	10	0	-	-	-	0	17.2101	Instruments Other than Watches and Clocks		
715.281-030	Watchmaker	100	-	-	40	10	0	30	10	0	17.2102	Watchmaking and Repair	
	Subtotal	1,030	-	-	90	10	60	0	20	100			
Assembly and Repair of Electrical Equipment													
720.281-018	Television-Service-and- Repairer	460	-	40	10	-	-	-	170	20	40		
720.281-022	Television-Service-and- Repairer Apprentice	10	-	-	-	-	-	-	10	0	0		
720.884	Photographic-Cartridge Assembler	50	-	-	-	-	-	-	50	0	*		
721.281-022	Electric-Motor Repairer	70	20	0	30	20	10	-	-	10	17.1403	Motor Repairers	
721.281-026	Electric-Motor Repairer (elec. eqp.)	50	-	-	-	-	-	-	50	0	0		
723.381-018	Vacuum-Cleaner Repairer	20	-	-	-	-	-	-	10	0	17.0201	Electrical Appliances	
723.884-010	Appliance Repairer	110	-	-	-	-	-	-	30	0	60	17.0201	Electrical Appliances
724.781-022	Coil Winder I	50	-	-	-	-	-	-	-	-	20	17.1403	Motor Repairers

OCCUPATIONAL GROUP

INSTRUCTIONAL TRAINING PROGRAM

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP	Total State Projected Employment	Area I Projected Employment	Area II Projected Employment	Area III Projected Employment	Area IV Projected Employment	Area V Projected Employment	Area VI Projected Employment	Total State Projected Employment	Projected Year 2 Month Need
									11 W Number
10 W Number	11 W Number	11 W Program	10 W Number	11 W Number	11 W Program	10 W Number	11 W Number	10 W Number	11 W Number
724.884 Laminator	40	-	-	-	-	-	-	-	20
726.781-010 Electronics Assembler	210	130	60	80	20	-	-	-	70
729.281-034 Electromedical Equipment Repairer	40	-	-	-	-	-	40	0	0
729.381-026 Street-Light Repairer I	10	-	-	-	-	-	-	-	0
Subtotal	1,120	150	60	270	80	30	330	220	220
Fabrication & Repair of Products made from Assorted Materials									
730.281 Musical-Instrument Repairer	140	60	0	10	0	-	-	-	10
732.381 Golf Club Repairer	20	-	-	-	-	-	-	-	-
732.884 Roller-Skate Repairer	30	-	-	-	-	-	-	-	-
735.084 Trophy Assembler	20	-	-	-	-	-	-	-	-
737.887 Laboret. Ammunition Assembly	500	-	-	-	-	-	-	-	-
739.381-010 Canvas Worker	40	-	-	-	40	20	-	-	-
739.781-010 Casket Assembler	10	-	-	-	-	-	-	-	-
739.884 Broommaker	100	-	-	-	-	-	-	-	-
739.884-130 Last Remodeler	10	-	-	-	-	-	-	-	-
739.887 Assembler, Small Products	570	-	-	-	300	250	0	-	-
739.887 Gluer	50	-	-	-	0	290	20	130	0
Subtotal	1,490	60	0	310	50	20	90	40	250
Painting, Decorating and Related									
741.884 Painter, Spray	390	50	40	20	10	-	-	-	220
Subtotal	390	50	40	20	10	-	-	-	220
Fabrication & Repair of Plastics, Synthetics, Rubber and Related Products									
752.781 Hose Maker (Rubber)	90	90	0	-	-	-	-	-	40
754.381 Fabricator, Plastics	120	-	-	-	-	-	-	-	70
Subtotal	210	90	0	-	-	-	-	-	110
Fabrication & Repair of Wood Products									
761.887 Picture-Frame-Maker	10	-	-	-	-	-	-	-	10
Helper	-	-	-	-	-	-	-	-	-
Furniture Finisher	60	-	-	-	-	-	-	-	60
Furniture Assembler	180	-	-	-	-	-	-	-	180
Subtotal	230	90	0	-	-	-	-	-	230
Millwork & Cabinetmaking									
763.181	-	-	-	-	-	-	-	-	0
763.884-034 Furniture Assembler	50	-	-	-	-	-	-	-	50
Subtotal	50	0	-	-	-	-	-	-	50

INSTRUCTIONAL TRAINING PROGRAM													
OCCUPATIONAL GROUP	Job Title	Job Number	Area I		Area II		Area III		Area IV				
			Total State Protected Employment	12 Month Need	Now	Now	12 Month Need	Now	Now	12 Month Need			
763.884 Laminator, Hand	769.884-022 Repairer, Assembled Wood Products	90	-	-	-	-	-	-	-	90	30	20	*
769.887 Wood-Shop Hand	Subtotal	10	10	30	-	-	-	-	-	-	-	-	50
Fabrication & Repair of Sand, Stone, Clay and Glass Products										110	110	110	*
771.381 Monument Stone Cutter	774.884 Dipper (Pottery & Porcelain)	90	-	-	-	-	-	-	-	20	0	0	*
Subtotal		20	-	-	-	-	-	-	-	-	-	20	*
Fabrication & Repair of Textiles, Leather, and Related Products										360	130	270	
781.37-014 Supervisor, Upholstery Dept.	780.381-018 Furniture Upholsterer	50	-	-	10	0	-	-	-	90	30	60	
780.587-010 Sorter, Upholstery Parts	780.884 Upholsterer II	400	-	-	-	-	-	-	-	400	300	400	17.35
780.884-078 Mattress Maker	781.687-010 Assembler	350	-	-	20	0	-	-	-	400	300	400	17.35
781.884-122 Cutter, Hand II	781.887-014 Cutter, Hand I	730	-	-	-	-	-	-	-	400	300	400	17.35
781.887-022 Cutter Helper	781.887-078 Trimmer, Hand	30	30	0	-	-	-	-	-	400	300	400	17.35
782.781-026 Weaver, Hand	782.884-078 Seamstress	20	-	-	-	-	-	-	-	400	300	400	17.35
785.261-010 Master Tailor	785.281-010 Alteration Tailor	60	-	-	60	30	-	-	-	400	300	400	17.35
785.381-022 Seamstress, Linen Room	785.381-026 Seamstress, Women's Garments	30	-	-	-	-	-	-	-	400	300	400	17.35
785.381-030 Shop Tailor	785.381-030 Shop Tailor	230	20	0	100	0	-	-	-	400	300	400	17.35
09.0202 Clothing, Management, Production and Services										10	10	10	
Subtotal		10	-	-	-	-	-	-	-	10	10	10	
Subtotal		10	-	-	-	-	-	-	-	10	10	10	
17.3301 Dressmaking										0	0	0	
17.3302 Tailoring										0	0	0	

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Total State	Projected Employment	Area I	Area II	Area III	Area IV	Area V
			Now	Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now
786.782-090 Sewing-Machine Operator, Regular Equip. (garment)	80		-	-	-	-	-	-	80
785.782-098 Shearing-Machine Operator	30		-	-	-	-	-	-	10
787.782-086 Drapery Operator	140		-	30	0	-	-	-	10
787.782-286 Sewing-Machine Operator	40		-	-	-	-	110	30	10
787.782-294 Sewing-Machine Operator, Regular Equip.	1,010		-	-	-	-	40	70	10
789.687 Finisher	20		-	-	-	-	60	10	600
789.884-054 Leatherworker	20		-	-	-	-	20	0	0
Subtotal	3,500		50	0	220	0	250	110	940
Bench Work, Other					40	0	20	0	0
794.884 Box Maker, Paperboard	1,400		-	-	-	-	880	140	0
Subtotal	1,400		-	-	-	-	880	140	0
TOTAL BENCH WORK OCCUPATIONS	13,510		400	100	940	180	620	70	1,620

*No Vocational Instructional Training Program Listed.

TABLE 9
STRUCTURAL WORK OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Total State	Projected Employment	Area I	Area II	Area III	Area IV	Area V
			Now	Need	12 Month Now	12 Month Need	12 Month Now	12 Month Need	12 Month Now
Metal Fabrication, Other					-	-	-	50	0
801.781-010 Structural-Steel Worker	430		-	-	-	-	50	0	190
801.884-010 Assembler	450		-	-	-	-	50	20	-
Const. & Maintenance Trades, Other					-	-	-	400	10
Const. & Maintenance Trades, Other					-	-	-	400	10
Const. & Maintenance Trades, Other					-	-	-	70	70

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP	Dept	Job Title	Total State Projected Employment	Area I 12 Month Need	Area II 12 Month Need	Area III 12 Month Need	Area IV 12 Month Need	Area V 12 Month Need	Area VI 12 Month Need	Total State Projected 2 year Need	H I W Number Program	
				Now	Now	Now	Now	Now	Now	Now		
801.884-014 Assembler, Metal Building	140	Helper	20	-	60	0	-	-	80	30	-	30
804.281-010 Sheet-Metal Worker	3,510	Sheet-Metal Worker	20	10	120	70	20	0	350	70	290	20
804.281-014 Sheet-Metal-Worker Apprentice	40	Apprentice	-	-	-	-	-	-	-	10	0	30
804.386-010 Metal-Fabricating-Shop Helper	2,750	-	-	-	-	-	-	-	-	750	1,350	2,000
805.1.31-010 Boiler Repair Supervisor	20	-	-	-	-	-	-	-	-	20	0	-
805.281-010 Boilermaker I	350	-	-	-	-	-	-	-	-	350	150	-
805.381-010 Boilerhouse Repairer	10	-	-	-	-	-	-	-	-	10	20	-
806.381-018 Assembly Mechanic, Experimental Aircraft	80	-	-	30	20	50	10	10	-	-	80	40
806.381-034 New-Car-Get-Ready Man	120	-	-	60	90	-	-	0	50	0	-	-
806.884 Truck-Assembly-Mechanic Helper	60	-	-	-	-	-	-	-	-	-	-	-
806.884-078 Mobile-Home Installer	400	-	-	-	-	-	-	-	400	200	-	-
807.281 Truck-Body Builder	110	110	140	-	-	-	-	-	-	-	-	-
807.381-010 Automobile-Body Repairer	1,860	140	30	370	40	90	20	70	10	470	170	720
807.381-026 Inspector, Fabrication	10	-	-	-	-	-	-	-	-	-	-	-
809.130 Supervisor, Metal Fabricating	200	-	-	-	-	-	-	-	-	-	-	-
Subtotal:	10,560	360	300	570	160	120	30	930	300	2,220	1,770	6,360
Welders, Flame Cutters, and Related												
810.782-022 Welder, Spot I	20	-	20	10	-	-	-	-	-	-	-	10
810.384-018 Welder, Arc	1,810	220	240	320	10	80	10	150	0	150	20	890
812.884-014 Welder, Combination	2,680	-	10	0	-	-	-	590	170	20	0	2,060
812.884-018 Welder, Production Line	830	-	-	-	-	-	-	-	-	-	-	340
812.884-022 Welder, Repair	100	-	-	100	0	-	-	-	-	-	-	170
819.381-022 Welder-Fitter, Subtotal	10	-	-	-	-	-	-	-	-	-	-	0
	Subtotal:	5,450	220	450	240	20	80	10	750	80	1,000	110
												2,950
												580
												1,470

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP	Total State Projected Workers	Area I Month Need	Area II Month Need	Area III Month Need	Area IV Month Need	Area V Month Need	Area VI Month Need	Area VII Month Need	Area VIII Month Need	Area IX Month Need	Area X Month Need	Area XI Month Need	Area XII Month Need	Total State Projected Workers	Total State Projected Workers	Total State Projected Workers				
Electrical Assembling, Installing, and Repair																				
821-281-010 Line Installer	740	-	30	0	140	0	140	70	10	0	420	250	20	17.1402	Line Installers					
821-281-042 Line Installer, Repair	270	-	100	20	120	20	50	0	-	-	-	-	-	50	17.1402	Line Installers				
821-281-010 Construction Checker	10	-	-	-	-	-	10	0	-	-	-	-	-	0	17.1402	Line Installers				
822-131 Central-Office-Repairer	10	-	-	-	-	-	-	-	10	0	-	-	-	0	*	*	*			
822-281-014 Central-Office-Repairer	70	-	10	0	-	-	-	40	0	0	30	0	0	0	17.1501	Communications				
822-281-018 Combination Man	10	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1501	Communications			
822-281-022 Communication Engineer	40	-	-	-	-	-	40	0	-	-	-	-	-	-	0	17.1501	Communications			
822-281-050 Private-Branch Exchange Repairer	70	-	30	0	-	-	-	40	0	0	-	-	-	10	17.1501	Communications				
822-287-010 Line Inspector	10	-	10	0	-	-	-	-	-	-	-	-	-	-	0	17.1402	Line Installers			
822-381-010 Cable Repairer	70	40	0	30	0	-	-	-	-	-	-	-	-	-	0	17.1501	Communications			
822-381-018 Central-Office-Installer	30	-	-	-	-	-	-	-	30	0	-	-	-	-	0	17.1501	Communications			
822-381-026 Line Installer (tel. & tel.)	100	100	10	-	-	-	-	-	-	-	-	-	-	-	10	17.1402	Line Installers			
822-381-034 Private-Branch-Exchange Installer	40	-	40	0	-	-	-	-	-	-	-	-	-	-	20	17.1501	Communications			
822-884 Cable Worker	30	-	-	-	-	-	-	-	30	0	-	-	-	-	0	*	*	*		
823-281 Public-Address-Service	150	-	-	-	-	-	-	-	-	-	-	150	0	0	0	17.1002	Electronics			
824-281-014 Electrician	2,310	30	200	10	40	30	210	40	240	30	1,590	150	130	130	17.1002	Electronics				
824-281-022 Non-Sign Service	100	-	-	-	-	-	-	-	-	-	100	0	0	0	17.1002	Electronics				
824-381-014 Street-Light Service	60	-	-	-	-	-	-	60	10	-	-	-	-	-	0	17.1002	Electronics			
825-281-026 Electrician, Airplane	10	-	-	-	-	-	-	-	-	-	-	10	0	0	0	17.0401	Aircraft Maintenance			
825-281-030 Electrician, Automotive	10	10	10	-	-	-	-	-	-	-	-	-	-	-	0	17.0303	Specialization, Other			
825-381-026 Electrical Inspector	20	-	-	-	-	-	-	-	-	-	-	20	0	0	0	17.0401	Aircraft Maintenance			
827-281-014 Electrical Appliance Service	230	50	20	40	10	-	-	20	0	90	20	30	0	0	20	17.0201	Electrical Appliances			
827-281-022 Household-Appliance Repairer	240	-	-	70	0	-	-	70	30	60	10	40	10	50	50	17.02	Appliance Repair			
827-381-018 Household-Appliance Installer	10	-	10	0	-	-	-	-	-	-	-	-	-	-	10	17.0101	Cooling			
827-381-022 Refrigeration Mechanic	20	20	20	-	-	-	-	-	-	-	-	-	-	-	0	17.02	Appliance Repair			
827-884-014 Air-Conditioning Installer, Domestic	230	-	30	0	-	-	-	40	10	-	-	-	-	160	20	60	17.0101	Cooling		
827-884-014 Assembler, Electronics	30	-	30	0	-	-	-	-	-	-	-	-	-	-	10	*	*	*		
828-281-022 Electronics Mechanic	60	10	10	-	-	-	-	-	-	-	-	-	-	-	10	16.0108	Electronic Technology			
829-281-022 Electrical Repairer	5,080	-	-	-	-	-	-	-	20	10	-	-	-	-	610	0	17.14	Electrical Occupations		
829-281-038 Pinsetter, Mechanic, Automatic	100	-	-	30	0	20	0	-	-	-	-	-	-	-	20	0	0	17.1401	Industrial Electricians	

OCCUPATIONAL GROUP

INSTRUCTIONAL TRAINING PROGRAM													
D.O.T. Number	Job Title	Area I			Area II			Area III			Area IV		
		Total State Projected Employment	Month Need	Now	Total State Projected Employment	Month Need	Now	Total State Projected Employment	Month Need	Now	Total State Projected Employment	Month Need	Now
829.381-010	Cable Splicer	1,350	20	0	60	0	10	0	60	0	480	0	0
829.887-014	Electrician Helper	210	100	720	50	330	50	690	170	680	10	20	20
	Subtotal	11,720	280	100	720	50	330	50	690	170	680	120	420
Painting, Plastering, Waterproofing, Cementing, and Related													
840.781-010	Painter	670	30	10	40	0	60	0	100	60	140	50	300
840.887-010	Drywall Sander	110	-	-	-	-	-	-	-	-	-	130	
840.887-014	Paint-Stripping-Machine Operator	30	-	-	-	-	-	-	-	-	-	20	
841.781-010	Painter and Decorator Apprentice	0	-	-	-	-	-	-	-	-	-	-	
842.781-010	Lather	10	-	-	-	-	-	-	-	-	-	10	
842.781-018	Plasterer	140	-	-	-	-	-	-	-	-	-	0	
842.781-026	Plasterer, Molding	80	-	-	-	-	-	-	-	-	-	0	
842.884-010	Drywall Applicator	40	-	-	-	-	-	-	-	-	-	0	
842.884-022	Taper	640	-	-	-	-	-	-	-	-	-	20	
843.884-022	Waterproofer	30	-	-	-	-	-	-	-	-	-	0	
843.887	Waterproofer Helper	30	-	-	-	-	-	-	-	-	-	10	
844.781-010	Concrete-Stone Finisher	20	-	-	-	-	-	-	-	-	-	0	
844.884-014	Cement Mason	1,610	90	40	30	20	60	20	60	170	20	20	
844.884-018	Cement Mason, Maintenance	40	-	-	-	-	-	-	-	-	-	-	
844.887-014	Cement Mason, Helper	1,700	110	60	30	20	0	30	0	430	150	1,080	
845.781-018	Painter, Automobile Dispatcher, Ready-Mix Plant	160	10	0	20	0	-	10	0	-	-	-	
	Subtotal	5,330	240	110	460	110	180	30	200	60	830	270	
Excavating, Grading, Paving & Related													
850.137	Labor-Gang Supervisor	40	-	-	-	-	-	-	-	-	-	20	
850.883-010	Bulldozer Operator	880	60	0	90	60	50	0	330	50	220	430	
850.883-018	Dredge Operator	200	-	-	-	-	-	-	-	-	-	130	
850.883-030	Power-Shovel Operator	30	-	-	-	-	-	-	-	-	-	50	
850.883-038	Scaper Operator	30	-	-	-	-	-	-	-	-	-	20	
850.883-054	Trench-Digging-Machine Operator	50	-	-	-	-	-	-	-	-	-	10	
	Subtotal	10	0	-	-	-	-	-	-	-	-	30	
		10	0	-	-	-	-	-	-	-	-	0	

OCCUPATIONAL GROUP

D.O.T. Number	Job Title	Total State Employment	Area I			Area II			Area III			Area IV			Area V			Area VI			Total State				
			Projected	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Projected	12 Month Need	Now	Projected	12 Month Need	Now		
850.887	Labored, Road	1,120	-	-	340	100	590	0	100	150	0	0	80	0	40	280	*	0	17.1003 Operation, Heavy Equip.	0	0	17.1003 Operation, Heavy Equip.	0		
851.883-010	Blade-Grader Operator	1,340	-	-	430	0	170	0	670	210	20	10	50	0	40	180	17.1003 Operation, Heavy Equip.	80	80	17.1003 Operation, Heavy Equip.	80	80	17.1007 Plumbing & Pipefitting		
851.883-014	Elevating-Grader Operator	10	-	-	-	-	-	-	110	0	-	-	-	-	-	-	-	260	30	0	0	0	0		
851.883-018	Motor-Grader Operator	370	-	-	-	-	20	-	-	-	-	-	-	-	-	-	40	40	0	0	0	0			
851.884-022	Pipe Layer	110	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	
852.884-014	Concrete-Paving-Machine-Operator Helper	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	
853.782-014	Asphalt-Plant Operator	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0		
853.883-010	Asphalt-Paving-Machine Operator	90	-	-	-	-	-	-	-	60	0	10	0	0	0	0	0	20	0	0	0	0	0		
853.884-010	Asphalt Raker	220	-	-	-	-	-	-	120	0	80	20	20	0	0	0	0	20	0	0	0	0	0		
859.131	Grading Supervisor	50	30	0	-	-	-	-	-	-	20	0	-	-	-	-	-	-	-	-	-	-	-	-	
859.782-030	Well-Drill Operator, Cable Tool	640	-	-	60	0	270	60	190	110	70	20	50	0	0	0	40	40	0	0	0	0	0	0	
859.782-034	Well-Drill Operator, Rotary Drill	50	-	-	-	-	-	-	-	30	0	20	0	0	0	0	0	-	-	-	-	-	-	-	
859.883-018	Dredge Operator	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0		
859.883-030	Operating Engineer	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	20	0	0	0	0		
859.884	Well-Drill-Operator Helper, Cable Tool	20	-	-	-	-	-	-	-	20	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
859.984-010	Bricklayer, Paving Brick	50	-	-	-	-	-	-	50	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Subtotal	5,580	90	0	990	180	1,170	60	1,730	630	610	-	-	-	-	-	540	990	440	1,750	-	-	-	-	
Construction, Other																									
860.131-018	Carpenter Supervisor	180	20	10	30	0	30	0	10	0	50	0	0	40	0	0	10	17.1001 Carpentry	0	0	0	0	0	0	
860.137-010	Carpentry-Labor Supervisor	340	-	-	10	0	100	0	50	0	90	0	0	90	0	0	0	17.1001 Carpentry	0	0	0	0	0	0	
860.381-026	Carpenter	5,310	280	30	390	50	310	70	800	130	1,710	660	1,820	420	1,380	420	17.1001 Carpentry	0	0	0	0	0	0		
860.381-030	Carpenter Apprentice	90	-	-	-	-	-	-	-	-	40	10	50	10	10	10	10	17.1001 Carpentry	0	0	0	0	0	0	
860.781-010	Bill-Board Erector-and-Repairer	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	50	100	100	100	100	100	100	
860.887-018	Bricklayer, Carpentry Supervisor	2,810	30	0	30	20	560	90	360	30	800	480	1,030	240	850	240	17.1001 Carpentry	0	0	0	0	0	0	0	0
861.131	Bricklayer Supervisor	30	-	-	10	0	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0	0	0	
861.381-010	Bricklayer	1,230	-	-	40	20	30	0	210	20	530	160	420	110	340	110	17.1004 Masonry	0	0	0	0	0	0	0	0
861.381-046	Monument Setter	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	
861.781-014	Soft Tile Setter	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	0	0	0	0	0	0	
861.781-022	Stonemason	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	0	0	0	0	0	0	0	
861.887	Brick Cleaner	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	0	0	0	0	0	0	0	
861.887	Bricklayer Helper	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	0	0	0	0	0	0	
861.887	Stonemason Helper	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	50	100	50	50	60	60	60	
862.381-042	Pipefitter	310	200	0	50	10	0	-	-	-	-	-	-	-	-	-	60	0	0	0	0	0	0	0	

INSTRUCTIONAL TRAINING PROGRAM

OCCUPATIONAL GROUP		Total State Projected Enrollment		Area I New Need		Area II New Need		Area III New Need		Area IV New Need		Area V New Need		Area VI New Need		State Projected 2 Year Need		H.I. W Number Program		
861.1	1-011 Number	1-011 Title	1-011 State Projected Enrollment	1-011 Area I New Need	1-011 Area II New Need	1-011 Area III New Need	1-011 Area IV New Need	1-011 Area V New Need	1-011 Area VI New Need	1-011 Area VII New Need	1-011 Area VIII New Need	1-011 Area IX New Need	1-011 Area X New Need	1-011 Area XI New Need	1-011 Area XII New Need	1-011 Month Needed	1-011 Month Needed	1-011 Month Needed	1-011 Month Needed	
862.381-0174	Plumber	Plumber Apprentice	1,900	160	30	170	0	130	10	180	10	600	750	660	660	1,080	17.1007	Plumbing & Pipefitting	*	
862.381	Plumber	Plumber Helper	30	-	-	-	-	-	-	-	-	30	10	-	-	0	-	-	*	
862.884	Plumber Helper	Plumber Helper	300	20	0	60	0	30	0	90	0	30	90	70	30	90	0	90	*	
862.884	Soft-Water Service	Soft-Water Service	180	30	0	50	0	-	-	-	-	30	400	70	0	400	0	400	*	
862.887	Laborer, Plumbing	Laborer, Plumbing	40	-	-	-	-	-	-	-	40	10	-	-	10	-	-	10	*	
862.887-0134	Oil-Burner Installation- and-Service Helper	Oil-Burner Installation- and-Service Helper	30	-	-	-	-	-	-	-	30	0	-	-	-	-	0	17.0102	Heating	
863.884-0122	Insulation Installer	Insulation Installer	620	20	0	-	-	-	-	-	-	600	100	100	100	10	10	17.1099	Const. & Maintenance Trades, Other	
863.884-0126	Insulation Worker	Insulation Worker	40	-	-	-	-	-	-	-	-	40	10	-	-	-	0	17.1099	Const. & Maintenance Trades, Other	
864.781-0110	Floor Layer	Floor Layer	220	30	0	-	-	-	-	-	130	0	60	60	10	10	10	17.1099	Const. & Maintenance Trades, Other	
864.884	Floor Finisher	Floor Finisher	10	-	-	10	0	-	-	-	-	-	-	-	-	0	0	*		
865.781-0110	Glass	Glass Glazier	150	-	-	50	0	-	-	-	40	0	60	60	0	0	0	17.1009	Glazing	
865.884-0114	Glass	Glass Installer	90	-	-	10	0	-	-	60	10	-	20	20	10	0	0	17.1009	Glazing	
866.381-0117	Roof	Roof	410	120	0	20	0	50	0	30	0	30	0	160	10	20	20	17.1010	Roofing	
866.381-0114	Roof	Roof Apprentice	40	-	-	-	-	-	-	20	0	20	20	-	-	40	40	17.1010	Roofing	
866.887-0110	Roof	Roof Helper	290	50	10	-	-	-	-	-	40	20	20	20	100	100	200	17.1010	Roofing	
869.281-0110	Furnace-Installer-and-Repairer	Furnace-Installer-and-Repairer	180	10	10	0	-	-	-	20	0	10	0	130	0	0	10	17.0102	Heating	
869.281-0114	House Builder	House Builder	290	-	-	10	0	-	-	130	10	80	0	80	0	0	0	17.1010	Const. & Maintenance Trades, Other	
869.281-0118	House Mover	House Mover	10	-	-	-	-	-	-	-	-	-	-	-	-	0	0	17.1099	Const. & Maintenance Trades, Other	
869.381	Sign Erector I	Sign Erector I	40	-	-	-	-	-	-	-	-	-	-	40	0	10	*			
869.782-0110	Cement-Pump Operator	Cement-Pump Operator	160	-	-	-	-	-	-	-	-	160	0	-	-	0	0	17.1003	Operation, Heavy F.eqip.	
869.884	Construction Worker I	Construction Worker I	5,920	20	10	410	160	80	10	30	20	410	180	4,970	1,460	2,050	*			
869.884	Sign Erector II	Sign Erector II	100	30	0	30	0	-	-	-	-	-	40	10	0	0	0	17.1009	Const. & Maintenance Trades, Other	
869.884-0130	Fence Erector	Fence Erector	30	-	-	-	-	-	-	-	30	30	30	-	-	0	0	17.1099	Const. & Maintenance Trades, Other	
869.884-0146	Lawn-Sprinkler Installer	Lawn-Sprinkler Installer	50	-	-	-	-	-	-	-	-	50	30	-	-	-	20	17.1007	Plumbing & Pipefitting	
869.884-0186	Wrecker	Wrecker	0	-	-	-	-	-	-	-	-	0	30	-	-	-	0	17.1099	Const. & Maintenance Trades, Other	
869.887	Construction Worker II	Construction Worker II	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	17.1099	Const. & Maintenance Trades, Other
869.887-0142	Furnace-Installer-and-Repairer	Furnace-Installer-and-Repairer	80	10	10	-	-	-	-	-	-	-	-	-	-	-	0	17.0102	Heating	
Subtotal			22,690	1,030	110	1,500	-	290	1,350	190	2,460	380	5,300	2,910	11,050	2,740	7,030			
55	Structural Work, Other																			
891.138	Maintenance Supervisor	Maintenance Supervisor	60	-	-	30	10	-	-	-	-	-	-	30	0	0	10	*		
891.884	Swimming-Pool Service	Swimming-Pool Service	10	-	-	-	-	-	-	-	-	-	-	0	-	0	0	*		
891.887	Furnace Cleaner	Furnace Cleaner	50	-	-	-	-	-	-	-	-	-	-	50	0	0	10	*		

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Total State	Area I	Area II	Area III	Area IV	Area V	Area VI	Total State
DO T Number	Job Title	Projected Employ- ment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Projected 2 Year Need
892.883	Laborer, Housing Supervisor.	10	-	-	-	-	-	-	0
899.133	Laborer, Housing	50	-	-	-	-	-	-	0
899.281	Maintenance Man, Factory- or-Mill	10	-	-	-	10	0	-	0
899.381-010	Maintenance Man, Building	2,510	390	10	220	0	470	0	360
899.884	Highway Maintenance Worker	510	-	-	-	510	0	-	0
899.884	House- Trailer-Lot-Utility Worker	80	-	-	-	-	-	-	0
899.884	Sewer-Pipe Cleaner	100	20	0	10	0	20	0	0
	Subtotal	3,390	410	10	260	10	200	80	380
TOTAL STRUCTURAL WORK OCCUPATIONS		64,720	2,630	870	4,950	820	3,430	450	7,750
TOTAL 17.10 Const. & Maintenance Trades						1,720	11,540	5,840	34,420
TOTAL STRUCTURAL WORK OCCUPATIONS		64,720	2,630	870	4,950	820	3,430	450	7,750
TOTAL 17.10 Const. & Maintenance Trades						1,720	11,540	5,840	34,420
TOTAL 16,950									

*No Vocational Instructional Training Program Listed.

TABLE 10
MISCELLANEOUS OCCUPATIONS

INSTRUCTIONAL TRAINING PROGRAM									
OCCUPATIONAL GROUP		Total State	Area I	Area II	Area III	Area IV	Area V	Area VI	Total State
DO T Number	Job Title	Projected Employ- ment	12 Month Need	Now	12 Month Need	Now	12 Month Need	Now	Projected 2 Year Need
900.883	Concrete-Mixing-Truck Driver	840	-	50	0	-	170	10	550
902.883	Dump-Truck Driver	790	-	220	70	90	260	40	20
903.883	Tank-Truck Driver	1,780	50	0	350	10	270	10	200
904.883	Tractor-Trailer-Truck Driver	2,240	360	70	260	10	270	0	140
905.883	Truck Driver, Heavy	4,880	170	230	590	120	770	180	70
906.883	Truck Driver, Light	2,240	20	20	270	30	200	130	1,340
909.118	Safety Engineer	10	-	-	-	-	440	80	0
909.138-010	River Supervisor	1,190	-	-	-	-	980	310	1,210
909.883	Garbage Collector I	790	140	20	30	0	560	170	840
909.887	Furniture Mover	40	-	-	-	-	10	0	0
909.887	Garbage Collector II Subtotal	14,810	740	340	1,770	240	1,790	320	4,360
									980
									3,330

Transportation

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM																
		Total State		Projected Imphav- ement		Area I		Area II		Area III		Area IV		Area V		Area VI		
No. 1 Number	Job Title	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Now	Need	Projected 2 Year Need	H.F. W. Number	Program
Transportation, Other																		
912.384-010	Airport Servicer	40	20	0	-	-	-	-	-	20	0	-	-	-	-	0	17.0403	Ground Operations
912.387	Lineman	140	-	-	-	-	-	-	-	-	-	-	-	-	-	40	*	
913.138-010	Road Supervisor	10	-	-	-	-	-	-	-	10	0	-	-	-	-	0	04.19	Transportation
913.138	Supervisor, Cab	10	-	-	-	-	-	-	-	10	0	-	-	-	-	0	*	
913.168-014	Dispatcher, Bus or Trolley	260	-	-	-	-	-	-	-	10	0	-	-	-	-	60	220	04.19 Transportation
913.168	Taxicab Starter	10	-	-	-	10	0	-	-	-	-	-	-	-	-	0	0	*
913.463-010	Bus Driver	2,290	70	0	310	10	560	50	450	30	640	90	260	260	260	5,150	04.19	Transportation
913.463-018	Taxi Driver	2,540	10	0	40	0	-	-	-	380	60	2,110	7,000	9,090	9,090	04.19	*	
913.883	Ambulance Driver	60	-	-	-	-	-	-	-	-	-	-	-	-	-	60	0	*
913.883	Chauffeur	30	-	-	20	0	-	-	-	-	-	-	-	-	-	10	0	*
914.782-014	Oil Pump Man	30	-	-	10	0	-	-	-	50	10	-	-	-	-	-	0	17.3202 Pumping Plants
914.885-018	Pump Man	50	-	-	10	0	-	-	-	20	0	-	-	-	-	-	0	17.3202 Pumping Plants
915.137-010	Car Wash Supervisor	30	-	-	30	0	-	-	-	-	-	-	-	-	-	-	0	04.03 Automotive
915.867	Trailer-Rental Attendant	30	-	-	30	0	-	-	-	-	-	-	-	-	-	0	*	
915.867-010	Automobile-Service-Station Attendant	7,110	640	70	1,080	120	840	310	1,280	460	1,990	510	1,280	280	1,140	04.16	Petroleum	
915.878-010	Automobile-Self-Service-Station Attendant	50	-	-	-	-	-	-	-	-	-	-	-	-	-	20	04.16	Petroleum
915.878-014	Parking-Lot Attendant	90	-	-	-	-	-	-	-	-	-	-	-	-	-	40	04.03	Automotive
915.878	Parking-Lot Chauffeur	290	20	0	260	0	-	-	-	-	-	-	-	-	-	20	0	*
915.884	Garage Service Worker	260	-	-	90	10	10	0	40	0	50	0	70	20	20	10	*	
915.884	Tire Repairer	70	-	-	-	10	0	30	20	30	10	-	-	-	-	0	*	
915.887	Lubrication Worker	70	-	-	30	0	-	-	-	10	0	30	0	-	-	10	*	
915.887	Taxi Servicer	60	-	-	-	-	-	-	-	-	-	-	-	-	-	30	*	
919.138	Depot Master	10	-	-	-	-	10	0	-	-	-	-	-	-	-	0	*	
919.168-010	Dispatcher, Motor Vehicle	40	-	-	-	-	-	-	-	-	-	-	-	-	-	40	0	14.0505 Traffic, Rate, & Transportation Clerks
919.168-014	Dispatcher, Traffic of System	70	20	0	10	0	-	-	-	-	-	-	-	-	-	20	0	0
919.368-014	Ticket Agent	10	-	-	-	10	0	-	-	-	-	-	-	-	-	-	0	14.0505 Transportation Clerks
919.368-018	Traffic Checker	10	-	-	10	0	-	-	-	-	-	-	-	-	-	-	0	14.0505 Traffic, Rate, & Transportation Clerks
919.478-010	Car-Rental Clerk	50	-	-	-	30	0	10	10	-	-	-	-	-	-	10	-	
919.883-014	Delivery Worker	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	04.03 Automotive
919.883	Tow-Truck Operator	140	-	-	-	-	-	-	-	310	0	380	50	160	40	-	50	*
919.887	Yard Worker I	850	-	-	-	-	-	-	-	140	1,810	380	2,220	560	3,480	750	4,500	7,740
	Subtotal	14,750	810	-	-	-	-	-	-	-	-	-	-	-	-	-	15,990	

OCCUPATIONAL GROUP		INSTRUCTIONAL TRAINING PROGRAM																	
		Total State Projected Employ- ment		Area I 12 Month Now Need		Area II 12 Month Now Need		Area III 12 Month Now Need		Area IV 12 Month Now Need		Area V 12 Month Now Need		Area VI 12 Month Now Need		Total State Projected Employ- ment	Projected 12 Month Need	Projected 2 Year Need	H.I. W Number
Packaging & Materials Handling																			
920.132	Packaging Supervisor	70																	
920.885	Packager, Machine	420																	
920.887-022	Bagger	440																	
920.887	Packager, Hand	760																	
921.883	Conveyor Operator	790																	
921.883-102	Tractor-Crane Operator	180																	
921.883-110	Truck-Crane Operator	10																	
922.138	Platform Supervisor	100																	
922.883	Fork-Lift-Truck Operator	1,050																	
922.883	Straddle-Truck Operator	50																	
922.887	Laboratory-Sample Carrier	10																	
922.887-070	Laborer, Stores	3,820																	
922.887	Loader I	80																	
922.887	Yard Worker	20																	
53	929.133-010 Materials Handling																		
	Supervisor	70																	
	929.137-026 Yard Worker I	980																	
	929.138 Warehouse Supervisor	290																	
	929.885 Baling-Machine Operator	70																	
	929.887 Dumper	540																	
	929.887 Laborer, Salvage	20																	
	929.887-050 Materials Handler	1,970																	
	Subtotal	11,740																	
	Extraction of Minerals																		
	932.883 Mechanical-Shovel Operator	10																	
	932.887 Chute Loader	10																	
	939.887 Quarry Worker	10																	
	Subtotal	30																	
	Production & Distribution of Utilities																		
	950.132-010 Refrigerator Supervisor	40																	
	950.782-054 Stationary Engineer	150																	
	951.855-014 Fireman, High-Pressure	50																	
	Subtotal																		
	Refrigeration																		
	Stationary Energy Sources, Other																		
	Other																		
	10	17.32	Stationary Energy Sources, Other																

INSTRUCTIONAL TRAINING PROGRAM										
OCCUPATIONAL GROUP	D.O.T. Number	Job Title	Area I		Area II		Area III		Area IV	
			Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need	Total State Projected Employment	12 Month Need
952.782-014 Diesel-Plant Operator	40	-	-	30	10	10	0	-	-	-
952.782-030 Power Plant Operator	150	-	-	70	0	-	-	80	0	-
954.782-014 Pump-Station Operator. Waterworks	70	-	-	10	0	-	-	140	0	-
955.782-018 Sewage-Plant Operator	70	-	-	-	-	50	30	20	20	-
955.887 Street Cleaner, Utility Worker	530	10	0	140	0	150	30	60	20	80
957.282-014 Control-Room Technician	10	-	-	10	0	-	-	-	-	-
957.282-022 Transmitter Operator	40	-	-	-	-	-	-	-	-	-
957.388 Program-Transmission Supervisor	20	-	-	-	-	-	-	-	-	-
Subtotal	1,170	10	0	330	10	210	60	240	40	220
Amusement, Recreation & Motion Picture										
960.382 Motion-Picture Projectionist	100	10	0	10	0	-	-	20	0	10
969.687 Film Inspector	10	-	-	-	-	-	-	-	-	-
Subtotal	110	10	0	10	0	-	-	20	0	10
Graphic Art Work										
970.281 Form Designer	30	-	-	-	10	10	-	-	20	0
970.281-026 Photograp Retoucher	10	-	-	-	-	-	-	10	10	-
970.381-014 Colorist, Photography	20	-	-	-	-	-	-	-	-	20
970.381-026 Lay-Out Man II	150	-	-	-	-	-	-	-	-	-
970.381-046 Stripper Apprentice	40	10	0	-	-	-	-	-	-	-
971.281-010 Etcher, Hand	10	-	-	-	-	-	-	10	0	-
971.381-018 Photoengraver	30	-	-	-	10	0	20	0	-	-
971.382-010 Photographer,	10	-	-	-	10	0	-	-	-	-
972.381-014 Photoengraving Transferer I	20	-	-	-	-	-	-	-	20	0
972.382-010 Photographer, Lithograph	30	-	-	-	-	-	-	-	-	30
973.381-010 Compositor	890	50	0	210	30	80	0	70	10	230
973.381-026 Job Printer	170	-	-	40	10	60	20	30	0	20
Subtotal	1,170	54	0	330	10	210	60	240	40	220
INSTRUCTIONAL TRAINING PROGRAM										
17.3201 Electric Power Generating Plants	-	-	-	-	-	-	-	-	-	0
17.3202 Stationary Energy Sources, Other	-	-	-	-	-	-	-	-	-	0
17.3202 Pumping Plants	-	-	-	-	-	-	-	-	-	20
16.0108 Electronic Technology	-	-	-	-	-	-	-	-	-	0
16.0108 Electronic Technology	-	-	-	-	-	-	-	-	-	0
17.1903 Lithography, Photography, & Platemaking	-	-	-	-	-	-	-	-	-	0
17.1901 Composition, Make-Up, & Typesetting	-	-	-	-	-	-	-	-	-	130
17.1901 Composition, Make-Up, & Typesetting	-	-	-	-	-	-	-	-	-	50

INSTRUCTIONAL TRAINING PROGRAM																						
OCCUPATIONAL GROUP		DO I Number	Job Title	Area I			Area II			Area III			Area IV			Area V			Area VI			
Total State Projected Employ- ment	Now Need			Now Month Now	Now Need	Month Now	Now Need	Month Now	Now Need	12 Month Now	Now Need	Month Now	Now Need	Month Now	Now Need	12 Month Now	Now Need	12 Month Now	Now Need	12 Month Now	Now Need	
973.381-030 Job Printer Apprentice	10									10	0											
973.381-034 Make-Up Man	60	50	10								10	0										
976.381-010 Developer	270	-	-							10	0	90	10	170	60	70	70	70	70	70	70	70
976.884-018 Contact-Frame Operator	10	-	-								10	0										
976.885-034 X-Ray-Developing-Machine Operator	10	-	-								10	0										
976.886-010 Photograph Finisher	10	-	-							10	0											
977.781 Bookbinder, Hand	30	-	-								10	0										
977.884 Bookbinder	110	-	-							10	0	10	0	20	0	10	0	10	0	10	0	10
979.138-010 Production Supervisor	60	-	-							10	0	10	0	20	0	10	0	10	0	10	0	10
979.381-010 Copy Camera Man	130	-	-								10	0										
979.782 Blueprinting-Machine Operator	50	-	-								100	20										
Subtotal	2,160	110	10	290	40	200	30	130	10	580	80											
TOTAL MISCELLANEOUS OCCUPATIONS	44,770	2,120	540	5,040	510	4,780	1,220	7,360	1,670	10,650	2,980	14,820	9,420	21,750								

*No Vocational Instructional Training Program Listed

TABLE 11

OCCUPATIONS WITH NO D.O.T. NUMBER

OCCUPATIONAL GROUP	Total State Projected Employ- ment	INSTRUCTIONAL TRAINING PROGRAM					
		Area I 12 Month Need	Area II 12 Month Need	Area III 12 Month Need	Area IV 12 Month Need	Area V 12 Month Need	Area VI 12 Month Need
Teachers Aide	1,160	110	0	240	0	500	180
Car Washer	860	90	0	130	20	90	160
Pulmonary Technician	40	-	-	20	0	-	20
Agriculture Stabilization and Conservation	120	-	-	30	0	10	-
Service Employee	10	10	-	-	-	-	-
Bottle Sorter	10	-	-	-	-	-	-
City Dump Manager	-	-	-	-	-	-	-
Drug Rehabilitation	-	-	-	-	-	-	-
Technician	30	-	-	-	-	-	-
Detasseler	150	-	-	-	-	-	-
Subtotal	2,380	210	10	420	20	130	320

*No Vocational Instructional Training Program Listed

TABLE 12
PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS

OCCUPATIONAL DIVISIONS	Projected Employ- ment	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
		Projected Need Next 12 Months	Expan- sion	Retire- ment	
Architecture and Engineering					
Area I	240	100	90	10	0
Area II	180	40	40	0	10
Area III	120	20	20	0	0
Area IV	220	120	110	0	20
Area V	2,620	300	170	10	400
Area VI	5,160	790	580	10	320
Totals	8,540	1,370	1,010	30	310
Mathematics and Physical Sciences					
Area I	0	0	0	0	0
Area II	10	0	0	0	0
Area III	100	100	100	0	90
Area IV	50	10	10	0	10

OCCUPATIONAL DIVISIONS

		PROJECTED REASON FOR NEED							
		Projected Need Next 12 Months			Projected Expansion			Projected Turn- over	
		Projected Employ- ment	Retire- ment	Pro- motion	Expan- sion	Retire- ment	Pro- motion	Turn- over	Projected Need Following 2 Years
Area V	490	70	10	0	0	0	0	40	70
Area VI	800	0	0	0	0	0	0	0	10
Totals	1,450	180	120	0	0	0	0	40	180
Life Science									
Area I	110	0	0	0	0	0	0	0	20
Area II	30	0	0	0	0	0	0	0	0
Area III	80	30	20	0	0	0	0	0	10
Area IV	150	0	0	0	0	0	0	0	0
Area V	630	30	20	0	0	0	0	10	10
Area VI	330	20	10	0	0	0	0	10	0
Totals	1,330	80	50	0	0	0	0	30	40
Social Science									
Area I	10	0	0	0	0	0	0	0	0
Area II	10	0	0	0	0	0	0	0	0
Area III	10	0	0	0	0	0	0	0	0
Area IV	10	0	0	0	0	0	0	0	0
Area V	480	70	30	0	0	30	10	20	20
Area VI	30	10	10	0	0	0	0	0	20
Totals	530	80	40	0	0	30	10	10	40
Medicine and Health									
Area I	2,860	120	80	0	0	0	40	90	90
Area II	3,720	260	120	30	0	0	110	250	250
Area III	1,820	150	20	0	0	0	130	200	200
Area IV	2,090	180	80	0	0	0	100	140	140
Area V	3,660	130	30	50	10	40	40	230	230
Area VI	11,750	1,820	30	30	0	0	1,760	1,720	1,720
Totals	25,900	2,660	360	110	10	10	2,180	2,630	300
Education									
Area I	2,520	40	20	10	0	0	10	50	50
Area II	4,340	400	30	0	0	0	360	550	550
Area III	2,080	170	50	20	0	0	100	120	120
Area IV	5,020	340	10	130	10	10	190	60	60
Area V	5,020	460	100	70	0	0	290	280	280
Area VI	3,920	480	130	70	10	10	270	400	400
Totals	22,900	340	360	10	30	30	1,890	1,460	30

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED						Projected Need Following 2 Years
	Projected Employ- ment	Projected Need Next 12 Months	Empan- sion	Retire- ment	Pro- motion	Turn- over	
Museum, Library & Archival Sciences							
Area I	60	0	0	0	0	0	0
Area II	20	0	0	0	0	0	0
Area III	10	10	10	0	0	0	0
Area IV	20	0	0	0	0	0	0
Area V	80	10	10	0	0	0	10
Area VI	80	10	10	0	0	0	10
Totals	270	30	30	0	0	0	20
Law and Jurisprudence							
Area I	200	10	10	0	0	0	10
Area II	270	30	20	0	0	10	20
Area III	160	0	0	0	0	0	10
Area IV	370	20	10	0	0	0	0
Area V	1,110	100	70	0	0	0	40
Area VI	2,370	200	90	0	0	0	420
Totals	4,480	360	200	0	0	0	500
Religion and Theology							
Area I	70	10	10	0	0	0	0
Area II	130	0	0	0	0	0	0
Area III	100	10	10	0	0	0	0
Area IV	130	30	30	0	0	0	20
Area V	160	20	20	0	0	0	0
Area VI	290	20	10	0	0	0	10
Totals	880	90	80	0	0	0	40
Writing							
Area I	230	0	0	0	0	0	20
Area II	140	0	0	0	0	0	0
Area III	150	0	0	0	0	0	0
Area IV	150	0	0	0	0	0	10
Area V	680	80	40	0	0	0	70
Area VI	160	0	0	0	0	0	40
Totals	1,510	80	40	0	0	0	140
Art							
Area I	140	80	80	0	0	0	300
Area II	10	0	0	0	0	0	0

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED						Projected Need Next 12 Months	Projected Employ- ment	Projected New En- rollment	Turn- over	Projected Need Following 2 Years
	Trans- fer ment	Pro- motion	Rehire	Retire- ment	Trans- fer ment	Turn- over					
Entertainment and Recreation											
Area I	90	10	0	0	0	10	10	10	0	0	0
Area II	70	0	0	0	0	0	0	0	0	0	0
Area III	10	20	0	0	0	10	20	20	0	0	0
Area IV	230	40	0	0	0	40	40	50	0	0	0
Area V	190	10	0	0	0	10	10	10	0	0	0
Area VI	570	520	20	0	0	500	500	1,000	0	0	0
Totals	980	600	20	0	0	580	580	1,090	0	0	0
Administrative Specializations											
Area I	650	10	0	0	0	0	0	0	0	0	0
Area II	840	20	0	0	0	20	20	20	0	0	0
Area III	710	20	0	0	0	10	10	10	0	0	0
Area IV	910	10	0	0	0	10	10	10	0	0	0
Area V	5,780	630	210	10	10	110	300	490	0	0	0
Area VI	6,850	960	620	0	0	20	320	910	0	0	0
Totals	15,740	1,650	840	20	20	140	650	1,590	0	0	0
Managers, Officials (Other)											
Area I	1,910	30	10	10	0	10	10	10	0	0	0
Area II	3,730	150	50	30	0	70	70	280	0	0	0
Area III	2,040	60	30	10	0	20	20	190	0	0	0
Area IV	4,230	150	110	10	0	20	20	20	0	0	0
Area V	9,111	850	160	70	40	580	580	90	0	0	0
Area VI	9,900	420	120	30	130	140	140	900	0	0	0
Totals	30,921	1,660	480	160	160	180	180	2,160	0	0	0
Miscellaneous Professional, Technical and Managerial											
Area I	90	0	0	0	0	0	0	0	0	0	0
Area II	80	40	0	0	0	40	40	80	0	0	0
Area III	120	50	50	50	50	50	50	50	0	0	0

OCCUPATIONAL DIVISIONS		PROJECTED REASON FOR NEED				Projected Need Following 2 Years	
	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	
Area IV	290	30	20	0	0	10	20
Area V	400	100	0	20	0	80	150
Area VI	1,000	80	30	0	0	50	90
Totals	1,980	300	100	20	0	180	390
TOTAL PROFESSIONAL, TECHNICAL, AND MANAGERIAL OCCUPATIONS	119,191	11,200	3,840	640	430	6,290	12,110

TABLE 13
CLERICAL AND SALES OCCUPATIONS

OCCUPATIONAL DIVISIONS		PROJECTED REASON FOR NEED				Projected Need Following 2 Years	
	Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over	
Stenographic, Typing, Filing and Related							
Area I	1,170	80	70	0	0	10	120
Area II	2,210	130	50	10	0	70	210
Area III	1,510	130	80	10	0	40	150
Area IV	2,760	290	90	20	0	90	130
Area V	8,370	1,110	320	40	30	720	1,120
Area VI	28,450	7,910	570	10	520	6,810	5,450
Totals	44,470	9,560	1,180	90	550	7,740	7,180
Computing and Account Recording							
Area I	1,930	40	40	0	0	0	180
Area II	3,210	210	70	0	0	140	220
Area III	1,980	230	80	0	0	150	240
Area IV	3,010	240	70	40	10	120	90
Area V	11,580	2,240	370	40	410	1,420	2,580
Area VI	19,120	2,750	370	150	150	2,080	5,590
Totals	40,630	5,710	1,000	230	570	3,910	8,900

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED					
	Projected Need Next 12 Months	Projected Employment	Expansion	Return-ment	Pro-motion	Turn-over
Shipping and Receiving Clerks						
Area I	210	40	30	10	0	0
Area II	440	60	10	30	0	20
Area III	270	70	0	0	0	70
Area IV	340	50	20	0	0	30
Area V	830	70	10	0	0	60
Area VI	3,330	660	60	10	20	570
Totals	5,420	950	130	50	20	750
Information and Message Distribution						
Area I	380	10	0	0	10	40
Area II	980	70	30	20	20	70
Area III	210	10	0	0	10	0
Area IV	580	30	10	0	20	50
Area V	6,800	340	50	10	10	270
Area VI	7,530	3,580	110	0	20	3,450
Totals	16,480	4,040	200	30	30	3,780
Miscellaneous Clerical						
Area I	210	40	0	0	40	30
Area II	160	40	0	0	40	0
Area III	70	0	0	0	0	0
Area IV	180	10	10	0	0	10
Area V	640	50	0	0	50	50
Area VI	2,650	890	80	0	60	750
Totals	3,910	1,030	90	0	60	880
Sales Workers, Services						
Area I	370	60	0	0	0	50
Area II	490	30	20	0	10	10
Area III	280	40	40	0	0	10
Area IV	620	30	30	0	0	70
Area V	3,670	460	0	0	0	260
Area VI	4,280	320	110	10	0	200
Totals	9,710	1,200	470	0	0	1,000

OCCUPATIONAL DIVISIONS

		PROJECTED REASON FOR NEED				Projected Need Following 2 Years	
		Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over
Sales Workers and Salespersons, Commodities							
Area I	2,060	270	180	0	0	90	210
Area II	5,000	490	220	30	0	240	610
Area III	2,330	280	120	10	0	150	270
Area IV	5,010	620	230	110	30	250	540
Area V	11,250	1,730	420	540	50	720	2,490
Area VI	30,810	5,920	2,180	20	90	3,630	5,160
Totals	56,460	9,310	3,350	710	170	5,080	9,280
Merchandising, except Sales Workers							
Area I	660	40	30	0	0	10	30
Area II	1,450	510	100	0	0	410	880
Area III	640	50	0	0	0	50	70
Area IV	2,070	440	80	20	0	340	430
Area V	2,120	420	50	20	0	350	540
Area VI	5,460	1,460	90	0	40	1,330	2,380
Totals	12,400	2,920	350	40	40	2,490	4,330
TOTAL CLERICAL AND SALES OCCUPATIONS	189,680	34,720	7,020	1,160	1,440	25,100	33,320

TABLE 14
SERVICE OCCUPATIONS

		PROJECTED REASON FOR NEED				Projected Need Following 2 Years	
		Projected Employment	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over
Domestic							
Area I	90	0	0	0	0	0	0
Area II	30	0	0	0	0	0	0
Area III	30	0	0	0	0	0	0
Area IV	120	10	0	10	0	0	0
Area V	200	60	30	0	0	30	30
Area VI	150	10	10	0	0	0	0
Totals	620	80	40	10	0	30	30

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED			Turn-over	Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retention		
Food & Beverage Preparation and Service					
Area I	1,010	270	40	0	720
Area II	890	100	50	10	1,160
Area III	430	110	10	0	230
Area IV	970	200	100	0	910
Area V	4,170	180	60	0	6,960
Area VI	3,750	300	0	20	5,430
Totals	11,220	1,160	260	30	15,410
Lodging and Related Services					
Area I	380	90	0	0	40
Area II	740	80	20	60	10
Area III	120	30	10	20	0
Area IV	600	100	60	0	150
Area V	780	90	0	40	130
Area VI	1,070	200	0	90	240
Totals	3,690	590	150	430	570
Barbering, Cosmetology & Related Sciences					
Area I	260	80	0	0	20
Area II	330	30	20	0	20
Area III	310	60	60	0	0
Area IV	560	50	10	10	30
Area V	1,050	150	100	0	10
Area VI	1,120	80	40	10	260
Totals	3,630	450	310	10	160
Amusement & Recreation Services					
Area I	20	20	0	0	20
Area II	80	10	10	0	0
Area III	130	50	0	0	50
Area IV	360	200	0	0	200
Area V	20	10	0	0	10
Area VI	100	10	10	0	0
Totals	710	300	120	0	280

OCCUPATIONAL DIVISIONS

	Projected Employ- ment	Projected Need Next 12 Months	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
			Em- plo- yment	Retire- ment	Pro- motion	
Miscellaneous, Personal Services						
Area I	1,120	140	100	0	0	90
Area II	1,960	300	130	0	30	330
Area III	1,500	230	10	0	0	280
Area IV	2,140	540	10	0	10	1,100
Area V	1,810	300	10	10	0	320
Area VI	3,800	930	0	0	0	810
Totals	12,330	2,440	260	10	40	2,930
Apparel and Furnishings Services						
Area I	180	30	20	0	0	10
Area II	340	30	10	10	0	40
Area III	370	40	0	0	40	10
Area IV	710	40	40	0	0	20
Area V	470	30	10	0	20	30
Area VI	680	130	0	0	130	140
Totals	2,750	300	80	10	0	210
Protective Services						
Area I	60	0	0	0	0	0
Area II	270	20	0	0	0	20
Area III	270	90	50	0	40	40
Area IV	180	0	0	0	0	0
Area V	250	60	20	0	40	20
Area VI	4,420	2,130	0	0	20	4,160
Totals	5,450	2,300	70	0	20	2,210
Building and Related Services						
Area I	650	50	10	10	0	30
Area II	1,370	160	20	20	0	120
Area III	800	110	70	10	0	30
Area IV	1,230	70	20	10	0	40
Area V	3,010	520	50	40	20	410
Area VI	3,250	770	140	30	0	600
Totals	10,310	1,680	310	120	20	1,230
TOTAL SERVICE OCCUPATIONS						
	82,320	19,360	2,400	430	120	16,410
						26,470

TABLE 15
FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS

OCCUPATIONAL DIVISIONS		PROJECTED REASON FOR NEED				Projected Need Next 12 Months		Projected Need Following 2 Years	
	Projected Implementation	Reti- ri- men- tion	Pro- motion	Turn- over		Projected Need Next 12 Months	Projected Need Following 2 Years	Projected Need Next 12 Months	Projected Need Following 2 Years
Plant Farming									
Area I	1,850	2,310	1,440	0	0	870	290		
Area II	620	170	50	0	0	120	340		
Area III	240	100	50	20	0	30	110		
Area IV	660	190	60	20	0	110	240		
Area V	1,250	800	580	10	0	210	620		
Area VI	940	550	250	20	30	240	790		
Totals	5,560	4,120	2,440	70	30	1,580	2,390		
Animal Farming									
Area I	3,020	520	240	20	0	260	570		
Area II	1,200	300	130	0	0	170	170		
Area III	1,590	570	420	0	0	150	520		
Area IV	1,050	200	50	0	0	150	270		
Area V	250	60	20	0	0	40	20		
Area VI	150	10	10	0	0	0	0		
Totals	7,260	1,660	870	20	0	770	1,550		
Miscellaneous Farming and Related									
Area I	2,720	630	450	10	0	170	250		
Area II	3,300	240	120	0	0	120	160		
Area III	3,180	260	110	20	0	130	240		
Area IV	4,860	600	260	50	0	290	550		
Area V	3,860	680	130	30	0	520	720		
Area VI	570	70	30	0	0	40	100		
Totals	18,490	2,460	1,100	110	0	1,270	2,020		
Fishery and Related									
Area I									
Area II									
Area III									
Area IV									
Area V									
Area VI									
Totals	20	0	0	0	0	0	0		

OCCUPATIONAL DIVISIONS

PROJECTED REASON FOR NEED					
Projected Need Next 12 Months	Projected Employ- ment	1-Ypan- tion	Retire- ment	Pro- motion	Turn- over
OCCUPATIONAL DIVISIONS					
Agriculture Service					
Area I	240	10	0	0	0
Area II	460	80	10	0	70
Area III	720	200	0	30	160
Area IV	420	50	0	0	50
Area V	80	40	0	0	40
Area VI	110	0	0	0	0
Totals	2,030	380	20	30	320
Self-Employed Farmers*					
Area I	2,669	83	—	—	165
Area II	4,794	110	—	—	221
Area III	12,498	215	—	—	430
Area IV	15,822	273	—	—	546
Area V	13,977	225	—	—	451
Area VI	2,710	45	—	—	89
Totals	52,470	951	—	—	1,902
TOTAL FARMING, FISHERY, FORESTRY, AND RELATED OCCUPATIONS	85,830	9,591	4,430	230	40

*Based on *Agriculture Statistics, 1973 Report*

TABLE 16 PROCESSING OCCUPATIONS

PROJECTED REASON FOR NEED					
Projected Need Next 12 Months	Projected Employ- ment	1-Ypan- tion	Retire- ment	Pro- motion	Turn- over
OCCUPATIONAL DIVISIONS					
Processing of Metals					
Area I	—	—	—	—	—
Area II	—	—	0	0	0
Area III	10	0	—	—	—
Area IV	—	—	0	0	0
Area V	200	20	0	0	20
Area VI	290	0	0	0	0
Totals	500	20	0	0	20

OCCUPATIONAL DIVISIONS

	Projected Reason for Need		Turn-over
	Projected Need Next 12 Months	Projected Need Following 2 Years	
Ore Refining and Foundry			
Area I			
Area II			
Area III			
Area IV			
Area V			
Area VI			
Totals	700	150	150
Processing of Food, Tobacco, & Related Products			
Area I	1,290	470	0
Area II	750	200	10
Area III	1,920	1,550	0
Area IV	1,330	580	30
Area V	1,960	300	0
Area VI	2,380	350	10
Totals	9,630	3,450	40
Processing of Paper & Related Materials			
Area I			
Area II			
Area III			
Area IV		20	10
Area V			0
Area VI		250	0
Totals	270	10	0
Processing of Petroleum, Coal, Natural and Manufactured Gas and Related Products			
Area I			
Area II			
Area III			
Area IV			
Area V			
Area VI			
Totals	156	80	0

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Processing of Chemicals, Plastics, Synthetics, Rubber, Paint, and Related Products				
Area I				
Area II				
Area III				
Area IV	200	50	0	110
Area V	1,040	0	0	0
Area VI	1,140	0	0	20
Totals	2,380	50	0	130
Processing of Stone, Clay, Glass, and Related Products				
Area I				
Area II	40	0	0	0
Area III				
Area IV	240	110	30	80
Area V	2,150	1,070	510	540
Area VI	150	30	0	30
Totals	2,580	1,210	540	650
Processing of Leather, Textiles, and Related Products				
Area I				
Area II				
Area III				
Area IV	40	20	0	10
Area V				
Area VI	310	10	0	10
Totals	350	30	0	20
Processing, Other				
Area I				
Area II	20	0	0	0
Area III	100	100	90	10
Area IV				
Area V				
Area VI	90	0	0	0
Totals	210	100	90	10
TOTAL PROCESSING OCCUPATIONS	16,770	5,100	2,550	60
				2,470
				6,740

TABLE 17
MACHINE TRADES OCCUPATIONS

OCCUPATIONAL DIVISIONS	PROJECTED REASON FOR NEED					
	Projected Need Next 12 Months	Projected Employ- ment	Span- sion	Retire- ment	Per- motion	Turn- over
Metal Machining						
Area I	50	10	10	3	0	0
Area II	480	120	40	0	0	80
Area III	73	50	40	0	0	10
Area IV	830	100	0	0	0	100
Area V	4,740	1,150	220	0	30	900
Area VI	4,110	1,470	250	0	10	1,210
Totals		10,280	560	0	40	2,300
Metalworking, Other						
Area I	70	0	0	0	0	0
Area II	70	0	0	0	0	0
Area III	120	40	0	0	40	60
Area IV	1,150	100	0	0	50	50
Area V	2,580	370	130	10	20	210
Totals		3,990	510	130	20	300
Mechanics & Machinery Repairman						
Area I	190	180	10	0	0	0
Area II	1,820	270	140	10	10	110
Area III	1,180	230	130	10	0	90
Area IV	2,340	490	290	60	10	130
Area V	4,390	940	470	40	0	430
Area VI	6,020	870	230	50	10	580
Totals		16,700	2,990	1,440	30	1,340
Paperworking						
Area I	20	40	0	0	0	20
Area II	140	0	0	0	0	140
Area III	30	0	0	0	0	30
Area IV						
Area V						
Area VI						
Totals						0

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED						Projected Need Following 2 Years
	Projected Need Next 12 Months	Projected Employ- ment	Expan- sion	Retire- ment	Pro- motion	Turn- over	
Printing							
Area I	340	20	20	0	0	0	40
Area II	110	10	0	0	0	10	0
Area III	30	0	0	0	0	0	0
Area IV	340	60	40	0	0	20	10
Area V	1,050	160	40	0	0	100	140
Area VI	760	180	10	0	0	170	420
Totals	2,630	430	110	0	0	300	610
Wood Machining							
Area I	380	60	30	10	0	20	40
Area II	50	20	20	0	0	0	20
Area III	10	0	0	0	0	0	0
Area IV							
Area V	230	60	0	0	0	0	20
Area VI	550	70	60	0	0	10	130
Totals	1,220	210	170	10	0	30	210
Textile							
Area I							
Area II							
Area III							
Area IV							
Area V							
Area VI							
Totals	660	290	10	0	0	70	190
Machine Trades, Other							
Area I							
Area II							
Area III							
Area IV							
Area V							
Area VI							
Totals	320	290	10	0	0	70	190
TOTAL MACHINE TRADES OCCUPATIONS	37,340	7,630	2,470	270	190	4,700	9,640

TABLE 18
BENCH WORK OCCUPATIONS

OCCUPATIONAL DIVISIONS	PROJECTED REASON FOR NEED				Projected Need Following 2 Years
	Projected Employ- ment	Projected Need Next 12 Months	Trans- fer Retire- ment	Pro- motion	
Fabrication, Assembly & Repair of Metal Products					
Area I	-	-	-	-	-
Area II	20	0	0	0	0
Area III	170	0	0	0	30
Area IV	30	0	0	0	0
Area V	2,510	110	0	0	660
Area VI	1,160	550	10	50	500
Totals	3,890	660	280	270	1,190
Fabrication & Repair of Scientific & Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products					
Area I	-	-	-	-	-
Area II	90	10	0	0	0
Area III	60	0	0	0	0
Area IV	140	20	0	0	0
Area V	110	20	0	0	0
Area VI	630	100	20	80	30
Totals	1,030	150	60	10	30
Assembly & Repair of Electrical Equipment					
Area I	150	60	0	0	60
Area II	270	80	50	0	120
Area III	30	10	0	0	0
Area IV	160	10	10	0	20
Area V	180	30	20	10	20
Area VI	330	20	20	0	10
Totals	1,120	210	100	0	220
Fabrication & Repair of Products made from Assorted Materials					
Area I	60	0	0	0	0
Area II	310	50	50	0	50
Area III	290	20	20	0	140

OCCUPATIONAL DIVISIONS

		PROJECTED REASON FOR NEED						Projected Need Following 2 Years	
		Projected Need Next 12 Months	Expan- sion	Retur- nment	Pro- motion	Turn- over	Projected Need Next 12 Months	Expan- sion	Retur- nment
Area IV	90	40	20	0	10	10	40	0	40
Area I	130	0	0	0	0	0	0	0	0
Area VI	610	250	0	0	0	250	500	0	500
Totals	1,490	360	90	0	10	260	730		
Painting, Decorating & Related									
Area I	50	40	40	0	0	0	180	0	180
Area II	20	10	0	0	0	10	10	0	10
Area III	-	-	-	-	-	-	-	-	-
Area IV	70	20	0	0	0	20	30	0	30
Area V	-	-	-	-	-	-	-	-	-
Area VI	250	0	0	0	0	0	0	0	0
Totals	390	7	40	0	0	30	220		
Fabrication & Repair of Plastics, Synthetics, Rubber and Related Products									
Area I	90	0	0	0	0	0	40	0	40
Area II	-	-	-	-	-	-	-	-	-
Area III	-	-	-	-	-	-	-	-	-
Area VI	-	-	-	-	-	-	-	-	-
Area V	-	-	-	-	-	-	-	-	-
Area VI	120	70	70	0	0	0	70	0	70
Totals	210	70	70	0	0	0	110		
Fabrication & Repair of Wood Products									
Area I	-	-	-	-	-	-	-	-	-
Area II	10	30	20	0	0	0	10	0	10
Area III	-	-	-	-	-	-	-	-	-
Area IV	-	-	-	-	-	-	-	-	-
Area V	-	-	-	-	-	-	-	-	-
Area VI	360	130	90	0	0	0	40	0	40
Totals	370	160	110	0	0	0	50		
Fabrication & Repair of Sand, Stone, Clay and Glass Products									
Area I	-	-	-	-	-	-	-	-	-
Area II	-	-	-	-	-	-	-	-	-

Fabrication & Repair of Plastics, Synthetics, Rubber and Related Products

Fabrication & Repair of Sand, Stone, Clay and Glass Products
Area I
Area II

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	40	0	0	0
Area III	30	0	0	0
Area IV	20	0	0	0
Area V	60	20	0	20
Totals	110	60	0	20

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	0	0	0	0
Area II	0	0	0	20
Area III	0	0	0	0
Area IV	110	30	0	120
Area V	330	270	0	100
Area VI	610	130	10	1.130
Totals	1,050	430	10	1,370

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	0	0	0	0
Area II	0	0	0	0
Area III	0	0	0	0
Area IV	0	0	0	0
Area V	0	0	0	0
Area VI	0	0	0	0
Totals	0	0	0	0

**Fabrication & Repair of Textiles,
Leather, and Related Products**

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	50	0	0	0
Area II	220	0	0	20
Area III	40	0	0	0
Area IV	250	110	30	120
Area V	940	330	0	100
Area VI	2,000	610	10	470
Totals	3,500	1,050	10	1,370

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	0	0	0	0
Area II	0	0	0	0
Area III	0	0	0	0
Area IV	0	0	0	0
Area V	0	0	0	0
Area VI	0	0	0	0
Totals	0	0	0	0

TABLE 19
STRUCTURAL WORK OCCUPATIONS

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	0	0	0	0
Area II	0	0	0	0
Area III	0	0	0	0
Metal Fabrication, Other	360	300	10	50
Area I	570	160	10	60
Area II	120	30	0	0
Totals	1,050	590	20	1,820

OCCUPATIONAL DIVISIONS

	PROJECTED REASON FOR NEED			Projected Need Following 2 Years
	Projected Need Next 12 Months	Expansion	Retire- ment	
Projected Employ- ment	0	0	0	0
Area I	0	0	0	0
Area II	0	0	0	0
Area III	0	0	0	0
Metal Fabrication, Other	360	300	10	50
Area I	570	160	10	60
Area II	120	30	0	0
Totals	1,050	590	20	1,820

OCCUPATIONAL DIVISIONS	PROJECTED REASON FOR NEED			Projected Need Following 2 Years	
	Projected Need Next 12 Months	Trans- ition	Retire- ment	Pro- motion	Turn- over
Area IV	930	300	220	10	70
Area V	2,220	1,770	220	0	1,550
Area VI	6,360	230	40	0	180
Totals	10,560	2,790	840	40	1,910
Welders, Flame Cutters, and Related					
Area I	220	240	230	0	10
Area II	450	20	0	0	20
Area III	80	10	10	0	0
Area IV	750	180	140	0	40
Area V	1,000	110	10	0	10
Area VI	2,950	580	240	0	20
Totals	5,450	1,140	630	0	20
Electrical Assembling, Installing, and Repairing					
Area I	280	100	80	10	0
Area II	720	50	20	10	0
Area III	330	50	10	0	40
Area IV	690	170	40	10	50
Area V	680	120	110	0	10
Area VI	9,020	1,530	670	0	860
Totals	11,720	2,020	930	20	60
Painting, Plastering, Waterproofing, Cementing, and Related					
Area I	240	110	40	10	0
Area II	460	110	20	10	80
Area III	180	30	30	0	0
Area IV	200	60	60	0	0
Area V	830	270	70	0	200
Area VI	3,420	750	120	0	630
Totals	5,330	1,330	340	20	0
Excavating, Grading, Paving & Related					
Area I	90	0	0	0	0
Area II	990	180	90	0	90
					0
					230

OCCUPATIONAL DIVISIONS

		PROJECTED REASON FOR NEED			Projected Need Following 2 Years	
		Projected Need Next 12 Months	Retire- ment	Pro- motion	Turn- over	
Projected Employ- ment						
Area III	1,170	60	40	0	20	70
Area IV	1,730	630	210	30	370	270
Area V	610	540	510	0	30	870
Area VI	990	440	40	0	400	310
Totals	5,580	1,850	890	30	910	1,750
Construction, Other						
Area I	1,030	110	60	0	50	80
Area II	1,500	290	170	10	110	350
Area III	1,350	190	50	20	0	120
Area IV	2,460	380	130	40	0	210
Area V	5,300	2,910	1,930	30	0	950
Area VI	11,050	2,740	430	30	0	2,750
Totals	22,690	6,620	2,770	130	0	2,850
Structural Work, Other						
Area I	410	10	10	0	0	0
Area II	260	10	0	0	0	10
Area III	200	80	50	10	10	40
Area IV	990	0	0	0	0	100
Area V	900	120	30	0	0	90
Area VI	630	90	0	0	0	130
Totals	3,390	310	90	20	10	100
TOTAL STRUCTURAL WORK OCCUPATIONS	64,720	16,060	6,490	260	110	9,200

		PROJECTED REASON FOR NEED			Projected Need Following 2 Years	
		Projected Need Next 12 Months	Retire- ment	Pro- motion	Turn- over	
Projected Employ- ment						
Motor Freight						
Area I	740	340	210	0	0	130
Area II	1,770	240	90	0	0	150
Area III	1,790	320	170	20	0	130

TABLE 20

		PROJECTED REASON FOR NEED			Projected Need Following 2 Years	
		Projected Need Next 12 Months	Retire- ment	Pro- motion	Turn- over	
Projected Employ- ment						
MISCELLANEOUS OCCUPATIONS						

OCCUPATIONAL DIVISIONS		PROJECTED REASON FOR NEED						Projected Need Following 2 Years	
		Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over			
Area IV	2,600	680	230	50	0	400	720		
Area V	3,550	890	450	0	10	430	460		
Area VI	4,360	980	130	20	0	830	1,380		
Totals	14,810	3,450	1,280	90	10	2,070	3,330		
Transportation, Other									
Area I	810	70	10	0	0	60	80		
Area II	1,930	140	70	0	0	70	110		
Area III	1,810	380	100	10	0	270	60		
Area IV	2,220	560	50	140	0	370	300		
Area V	3,480	750	120	80	0	550	850		
Area VI	4,500	7,740	70	20	0	7,650	14,590		
Totals	14,750	9,640	420	250	0	8,970	15,990		
Packaging & Materials Handling									
Area I	440	120	60	10	0	50	110		
Area II	710	80	40	10	0	30	70		
Area III	770	430	320	0	0	110	300		
Area IV	2,130	290	90	0	0	200	250		
Area V	2,770	1,230	780	20	0	430	620		
Area VI	4,920	530	160	10	40	320	530		
Totals	11,740	2,680	1,450	50	40	1,140	1,880		
Extraction of Minerals									
Area I	—	—	—	—	—	—	—		
Area II	—	—	—	—	—	—	—		
Area III	—	—	—	—	—	—	—		
Area IV	20	90	90	0	0	0	0		
Area V	10	0	0	—	—	—	—		
Area VI	—	—	—	—	—	—	—		
Totals	30	90	90	0	0	0	0		
Production & Distribution of Utilities									
Area I	10	0	0	0	0	0	0		
Area II	330	10	0	10	0	0	10		
Area III	210	60	20	0	0	0	50		
Area IV	240	40	10	0	0	0	10		

OCCUPATIONAL DIVISIONS

PROJECTED REASON FOR NEED					
	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over
Projected Employment	220	20	0	0	0
Area V	160	0	0	0	0
Totals	1,170	130	50	0	70
Amusement, Recreation & Motion Picture					
Area I	10	0	0	0	0
Area II	10	0	0	0	0
Area III	—	—	—	—	—
Area IV	20	0	0	0	0
Area V	40	10	0	0	10
Area VI	30	0	0	0	0
Totals	110	10	0	0	10
Graphic Art Work					
Area I	110	10	0	0	0
Area II	290	40	0	0	40
Area III	200	30	10	0	20
Area IV	130	10	10	0	10
Area V	580	80	20	0	50
Area VI	850	170	20	10	120
Totals	2,160	340	70	10	230
TOTAL MISCELLANEOUS OCCUPATIONS	44,770	16,340	3,360	410	12,490

TABLE 21
OCCUPATIONS WITH NO D.O.T. NUMBER

PROJECTED REASON FOR NEED					
	Projected Need Next 12 Months	Expansion	Retirement	Promotion	Turn-over
Projected Employment	210	10	0	0	0
Area I	420	20	0	0	20
Area II	130	260	240	0	20
Area III	320	150	0	0	150
Area IV	600	200	130	10	60
Area V	700	320	0	0	320
Totals	2,380	960	380	10	570

PROJECTIONS BY VOCATIONAL INSTRUCTIONAL TRAINING PROGRAMS

Tables 22 through 30 list needs by the seven major areas of Vocational Education and lists only those job titles with a corresponding vocational instructional training program from Section One of this study.

Grouping of Vocational Instructional Training Programs enables the vocational program planner to identify instructional components common to the seven major areas of Vocational Education.

Several Vocational Instructional Training Programs may overlap in preparing persons for employment in an Occupational Division. Therefore, it is necessary that planners become familiar with the detailed descriptions of both occupational titles and Vocational Instructional Training Programs.

Only the totals for "Projected Employment", "Projected Need Next 12 Months", and "Projected Need Following 2 Years" has been presented in this section. Reason for need related to "Expansion", "Retirement", "Promotion", and "Turnover" can be identified for vocational programs, by locating the major division that includes the desired program, in section one, and checking the reason for need in section two of this study.

TABLE 22
SUMMARY BY MAJOR VOCATIONAL TECHNICAL AREA

	Now Employed		Projected Next 12 Months		Projected Future Needs	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
Agricultural Occupations	100,560 ^a	18.8	13,661 ^b	13.8	12,122 ^b	11.2
Distributive Occupations	131,070	24.5	25,840	25.9	33,440	30.9
Health Occupations	30,420	5.7	4,710	4.7	5,360	5.0
Home Economics Occupations	5,020	1.0	830	.8	760	.7
Office Occupations	113,600	21.2	20,360	20.4	17,020	15.7
Technology Occupations	3,020	.7	600	.6	640	.6
Trade and Industrial Occupations	150,530	28.1	33,730	32.8	38,800	35.9
Totals	534,220		99,731		108,142	

^aIncludes self-employed farmers, Nebraska Department of Agriculture, Nebraska Agricultural Statistics, loc. cit.

^bGenereaux, Douglas, loc. cit.

TABLE 23
PROJECTIONS FOR AGRICULTURAL OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0100 Agricultural Production	18,840	2,540	1,970
01.0101 Animal Science	7,440	1,720	1,550
01.0102 Plant Science	1,850	2,130	180
01.0104 Farm Business Management	840	30	10
01.0200 Agricultural Supplies/Services	300	30	10
01.0201 Agricultural Chemicals	130	50	80
01.0202 Feeds	3,870	500	400
01.0203 Seeds			
01.0299 Agricultural Supplies/Services, Other	680	80	50
01.0300 Agricultural Mechanics			
01.0301 Agricultural Power and Machinery	3,640	1,110	1,010
01.0304 Water Management	190	190	40

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
01.0400 Agricultural Products (Processing, Inspection and Marketing)			
01.0401 Food Products	7,340	2,710	3,270
01.0402 Nonfood Products			
01.0500 Ornamental Horticulture (Production, Processing, Marketing & Services)			
01.0501 Arboriculture	60	50	60
01.0502 Floriculture	210	50	40
01.0504 Landscaping	1,130	420	370
01.0505 Nursery Operation and Management	730	740	810
01.0506 Turf Management	230	280	300
01.0600 Agricultural Resources (Conservation, Utilization and Services)			
01.0601 Forest			
01.0602 Recreation	30	20	0
01.0603 Soil	340	20	40
01.0604 Wildlife (Incl. Game Farms & Hunting Areas)			
01.0605 Water			
01.0607 Fish (Incl. Farms & Hatcheries)	20		
01.0700 Forestry (Production, Processing, Management, Marketing & Services)			
01.0703 Logging (Harvesting & Transporting)			
01.0706 Special Products			
01.9900 Agriculture, Other Self Employed	220	40	30
	52,470*	951*	1,902*
Total	100,560	13,661	12,122

^aNebraska Department of Agriculture, Nebraska Agricultural Statistics, loc. cit.

^bGenereaux, Douglas, loc. cit.

TABLE 24
PROJECTIONS FOR DISTRIBUTIVE OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.0100 Advertising Services	1,920	120	150
04.0200 Apparel and Accessories	7,380	1,460	2,430
04.0300 Automotive	8,480	1,040	960
04.0400 Finance and Credit	5,910	600	900
04.0500 Floristry	1,020	160	160
04.0600 Food Distribution	11,380	2,070	2,420
04.0700 Food Services	3,380	160	300
04.0800 General Merchandise	30,720	3,410	5,050
04.0900 Hardware, Building Materials, Farm and Garden Supplies & Equip.	6,980	880	1,060
04.1000 Home Furnishings	2,740	480	670
04.1100 Hotel and Lodging	1,320	40	90
04.1200 Industrial Marketing	7,960	760	850
04.1300 Insurance	6,000	680	890
04.1400 International Trade			

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
04.1500 Personal Services	1,140	80	80
04.1600 Petroleum	7,480	1,790	1,140
04.1700 Real Estate	4,940	520	470
04.1800 Recreation and Tourism	2,670	360	370
04.1900 Transportation	7,840	7,730	14,530
04.2000 Retail Trade, Other	10,380	3,480	730
04.3100 Wholesale Trade, Other	1,070	20	160
04.9900 Distributive Education, Other	360	0	30
Total	131,070	25,840	33,440

TABLE 25
PROJECTIONS FOR HEALTH OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
07.0100 Dental			
07.0101 Dental Assisting	1,090	100	90
07.0102 Dental Hygiene (Associate Degree)	100	10	0
07.0103 Dental Laboratory Technology	120	20	0
07.0200 Medical Laboratory Technology			
07.0201 Cytology (Cytotechnology)			
07.0202 Histology	30	0	0
07.0203 Medical Laboratory Assisting	1,910	230	250
07.0204 Hematology			
07.0300 Nursing			
07.0301 Nursing (Associate Degree)	9,130	1,190	1,240
07.0302 Practical (Vocational) Nursing	3,920	490	490
07.0303 Nursing Assistance (Aid)	10,850	2,230	2,810
07.0304 Psychiatric Aid			
07.0305 Surgical Technician (Operating Room Technician)	190	0	0
07.0306 Obstetrical Technician			
07.0307 Home Health Aid	10	0	0
07.0400 Rehabilitation			
07.0401 Occupational Therapy	20	0	10
07.0402 Physical Therapy	190	50	50
07.0403 Prosthetics	30	0	0
07.0404 Orthotics	70	0	0
07.0500 Radiologic			
07.0501 Radiologic Technology (X-Ray)	820	90	90
07.0503 Nuclear Medical Technology	60	0	0
07.0600 Ophthalmic			
07.0601 Ophthalmic Dispensing	230	20	50
07.0602 Orthoptics			
07.0700 Environmental Health Assistant			
07.0702 Radiological Health Technician			
07.0703 Sanitarian Assistant			
07.0800 Mental Health Technology			
07.0900 Miscellaneous Health Occupations Education			
07.0901 Electroencephalograph Technician	80	10	10
07.0902 Electrocardiograph Technician	120	30	20

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
07.0903 Inhalation Therapy	320	70	50
07.0904 Medical Assistant (Assistant to Physician's Office)	540	60	50
07.0905 Central Supply Technician	350	80	80
07.0907 Medical Emergency Technician	90	0	0
07.0909 Mortuary Science	120	30	70
Totals	30,420	4,710	5,360

TABLE 26
PROJECTIONS FOR HOME ECONOMICS OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
09.0200 Occupational Preparation
09.0201 Care and Guidance of Children	330	80	70
09.0202 Clothing Management, Production, and Services	20	0	0
09.0203 Food Management, Production and Services	540	50	80
09.0204 Home Furnishings, Equipment, and Services	160	30	30
09.0205 Institutional and Home Management and Supporting Services	3,970	670	580
Totals	5,020	830	760

TABLE 27
PROJECTIONS FOR OFFICE OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0100 Accounting and Computing Occupations
14.0101 Accountants	220	10	10
14.0102 Bookkeepers	14,430	970	1,270
14.0103 Cashiers	1,040	180	180
14.0104 Machine Operators: Billing, Bookkeeping and Computing	540	0	100
14.0105 Tellers	2,700	490	460
14.0199 Accounting and Computing Occupations, Other	40	0	0
14.0200 Business Data Processing Systems Occupations	120	0	10
14.0201 Computer and Console Operators	2,620	300	280
14.0202 Peripheral Equipment Operators and Keypunch and Coding	2,240	380	660
14.0203 Programmers	430	50	30
14.0204 Systems Analysts	170	30	10

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
14.0300 Filing, Office Machines, and General Office Clerical Occupations			
14.0301 Duplicating Machine Operators	60	40	10
14.0302 File Clerks	3,020	1,550	1,570
14.0303 General Office Clerks	16,380	2,830	4,590
14.0399 Filing, Office Machines, and General Office Clerical Occupations, Other	13,600	4,340	420
14.0400 Information Communications Occupations			
14.0401 Communication Systems Clerks and Operators	4,630	3,340	110
14.0402 Correspondence Clerks	40	10	10
14.0403 Mail and Postal Clerks	5,690	130	270
14.0404 Mail-preparing and Mail-handling Machine Operators	10	0	0
14.0405 Messengers and Office Boys and Girls	160	60	100
14.0406 Receptionists and Information Clerks	5,700	470	420
14.0499 Information Communication Occupations, Other	700	30	20
14.0500 Materials Support Occupations (Transporting, Storing and Recording)			
14.0501 Planning and Production Clerks	440	10	10
14.0502 Quality Control Clerks			
14.0503 Shipping and Receiving Clerks	1,580	280	410
14.0504 Stock and Inventory Clerks	340	20	70
14.0505 Traffic, Rate, and Transportation Clerks	140	0	0
14.0599 Materials Support Occupations (Transporting, Storing and Recording), Other	40	0	0
14.0600 Personnel, Training, and Related Occupations			
14.0601 Educational Assistants and Training Specialists	30	0	0
14.0602 Interviewers and Test Technicians	560	410	160
14.0603 Personnel Assistants	700	90	60
14.0699 Personnel, Training, and Related Occupations, Other	20	0	0
14.0700 Stenographic, Secretarial, and Related Occupations			
14.0701 Executive Secretary	310	10	10
14.0702 Secretaries	21,790	2,560	3,900
14.0703 Stenographers	750	100	40
14.0800 Supervisory and Administrative Management Occupations			
14.0801 Administrative Assistants	640	60	60
14.0802 Budget Management Analysts	320	50	0
14.0804 Data-Methods and System-Procedures Analysts			
14.0805 Office Managers and Chief Clerks	4,670	360	270
14.0899 Supervisory and Administrative Management Occupations, Other	450	80	90
14.0900 Typing and Related Occupations			
14.0901 Clerk-Typist	1,140	200	240
14.0902 Typists	4,110	750	950
14.9900 Office Occupations, Others	1,030	170	220
Totals	113,600	20,360	17,020

TABLE 28
PROJECTIONS FOR TECHNOLOGY OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
16.0101 Aeronautical Technology	10	0	0
16.0103 Architectural Technology (Building Construction)			
16.0104 Automotive Technology			
16.0105 Chemical Technology	450	90	0
16.0106 Civil Technology	40	0	0
16.0107 Electrical Technology	20	0	0
16.0108 Electronic Technology	230	40	40
16.0109 Electromechanical Technology			
16.0110 Environmental Control Technology			
16.0111 Industrial Technology	80	20	20
16.0112 Instrumentation Technology	80	30	30
16.0113 Mechanical Technology	740	260	220
16.0114 Metallurgical Technology			
16.0115 Nuclear Technology			
16.0116 Petroleum Technology	910	150	200
16.0117 Scientific Data Processing			
16.0199 Engineering-Related Technology, Other			
16.0200 Agricultural-Related Technology	150	0	10
16.0203 Food Processing Technology	80	0	10
16.0499 Office-Related Technology, Other	20	0	0
16.0601 Commercial Pilot Training	210	10	20
16.0602 Fire and Fire Safety Technology			
16.0699 Miscellaneous Technical Education, Other			
Totals	3,020	600	640

TABLE 29
PROJECTIONS FOR TRADE AND INDUSTRIAL OCCUPATIONS

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.0100 Air Conditioning	50	20	10
17.0101 Cooling	350	100	90
17.0102 Heating	90	20	30
17.0103 Ventilating (Filtering and Humidification)			
17.0200 Appliance Repair	240	50	50
17.0201 Electrical Appliances	370	80	80
17.0202 Gas Appliances	670	80	150
17.0300 Automotive	140	90	150
17.0301 Body and Fender	2,020	350	540
17.0302 Mechanics	8,590	1,530	2,160
17.0303 Specialization, Other	290	80	70
17.0400 Aviation Occupations			
17.0401 Aircraft Maintenance	440	80	80
17.0402 Aircraft Operations	10	0	0
17.0403 Ground Operations	40	0	0

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.0500 Blueprint Reading			
17.0600 Business Machine Maintenance	320	10	40
17.0700 Commercial Art Occupations	260	50	130
17.0701 Interior Decorating	230	10	20
17.0702 Window Display			
17.0703 Product Design	120	70	310
17.0800 Commercial Fishery Occupations			
17.0801 Seamanship			
17.0802 Ship and Boat Operation and Maintenance			
17.0899 Commercial Fishery Occupations, Other			
17.0900 Commercial Photography Occupations			
17.0901 Photographic Laboratory and Darkroom Occupations	460	120	140
17.1000 Construction and Maintenance Trades	2,850	300	360
17.1001 Carpentry	9,140	2,570	2,350
17.1002 Electricity	2,740	370	150
17.1003 Heavy Equipment	6,410	1,870	1,740
17.1004 Masonry	1,370	330	380
17.1005 Painting and Decorating	720	270	230
17.1006 Plastering	230	0	0
17.1007 Plumbing and Pipefitting	2,420	960	1,200
17.1008 Dry-Wall Installation	790	130	220
17.1009 Glazing	150	0	0
17.1010 Roofing	740	160	260
17.1099 Construction and Maintenance Trades, Other	6,530	1,600	1,290
17.1100 Custodial Services	10,680	1,670	2,170
17.1200 Diesel Mechanic	290	120	100
17.1300 Drafting	2,320	460	400
17.1400 Electrical Occupations	5,080	610	0
17.1401 Industrial Electrician	120	10	0
17.1402 Lineman	2,550	850	80
17.1403 Motor Repairman	170	20	30
17.1500 Electronics Occupations	210	80	70
17.1501 Communications	260	0	30
17.1502 Industrial Electronics			
17.1503 Radio/Television	470	70	40
17.1600 Fabric Maintenance Services	370	10	0
17.1601 Drycleaning	290	50	10
17.1602 Laundering	1,630	180	190
17.1699 Fabric Maintenance Services, Other	10	0	0
17.1700 Foremanship, Supervision and Management Development			
17.1900 Graphic Arts Occupations	110	0	0
17.1901 Composition, Makeup, and Typesetting	1,750	180	170
17.1902 Printing Press Occupations	1,860	390	380
17.1903 Lithography, Phonography, and Platemaking	50	0	0
17.1904 Photoengraving	50	0	0
17.1905 Silk Screen Making and Printing			
17.1906 Bookbinding	250	50	150
17.1999 Graphic Arts, Other	10	0	0
17.2000 Industrial Atomic Energy			

INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.2001 Installation, Operation, and Maintenance of Reactors			
17.2002 Radiography			
17.2003 Industrial Uses of Radioisotopes			
17.2099 Industrial Atomic Energy, Other			
17.2100 Instrument Maintenance and Repair			
17.2101 Instruments (Other Than Watches and Clocks)	550	100	0
17.2102 Watchmaking and Repair	100	20	0
17.2200 Maritime Occupations	30	0	0
17.2300 Metalworking			
17.2301 Foundry	720	150	0
17.2302 Machine Shop	7,700	2,440	3,200
17.2303 Machine Tool Operation	840	60	50
17.2304 Metal Trades, Combined	5,780	1,760	3,070
17.2305 Sheet Metal	3,790	300	160
17.2306 Welding and Cutting	5,450	1,140	1,470
17.2307 Tool and Die Making	1,770	440	630
17.2308 Die Sinking			
17.2309 Metal Patternmaking			
17.2399 Metalworking, Other	440	20	20
17.2400 Metallurgy	30	0	0
17.2600 Personal Services			
17.2601 Barbering	560	50	40
17.2602 Cosmetology	2,910	360	360
17.2699 Personal Services, Other		10	0
17.2700 Plastics Occupations		0	10
17.2800 Public Service Occupations			
17.2801 Fireman Training			
17.2802 Law Enforcement Training	710	90	130
17.2899 Public Service Occupations, Other	20	0	0
17.2900 Quantity Food Occupations			
17.2901 Baker	810	430	880
17.2902 Cook/Chef	14,860	2,350	3,230
17.2903 Meat Cutter	1,360	270	450
17.2904 Waiter/Waitress	18,480	6,030	7,240
17.2999 Quantity Food Occupations, Other	330	330	330
17.3000 Refrigeration	40	0	0
17.3100 Small Engine Repair, Internal Combustion	240	60	110
17.3200 Stationary Energy Sources Occupations	240	10	10
17.3201 Electric Power Generating Plants	150	0	0
17.3202 Pumping Plants	220	60	20
17.3299 Stationary Energy Sources Occupations, Other			
17.3300 Textile Production and Fabrication			
17.3301 Dressmaking	70	10	0
17.3302 Tailoring	300	20	50
17.3399 Textile Production and Fabrication, Other	1,660	560	500
17.3400 Leatherworking	50	0	0
17.3401 Shoe Manufacturing			
17.3402 Shoe Repair	100	0	40
17.3500 Upholstering	800	160	260
17.3600 Woodworking			

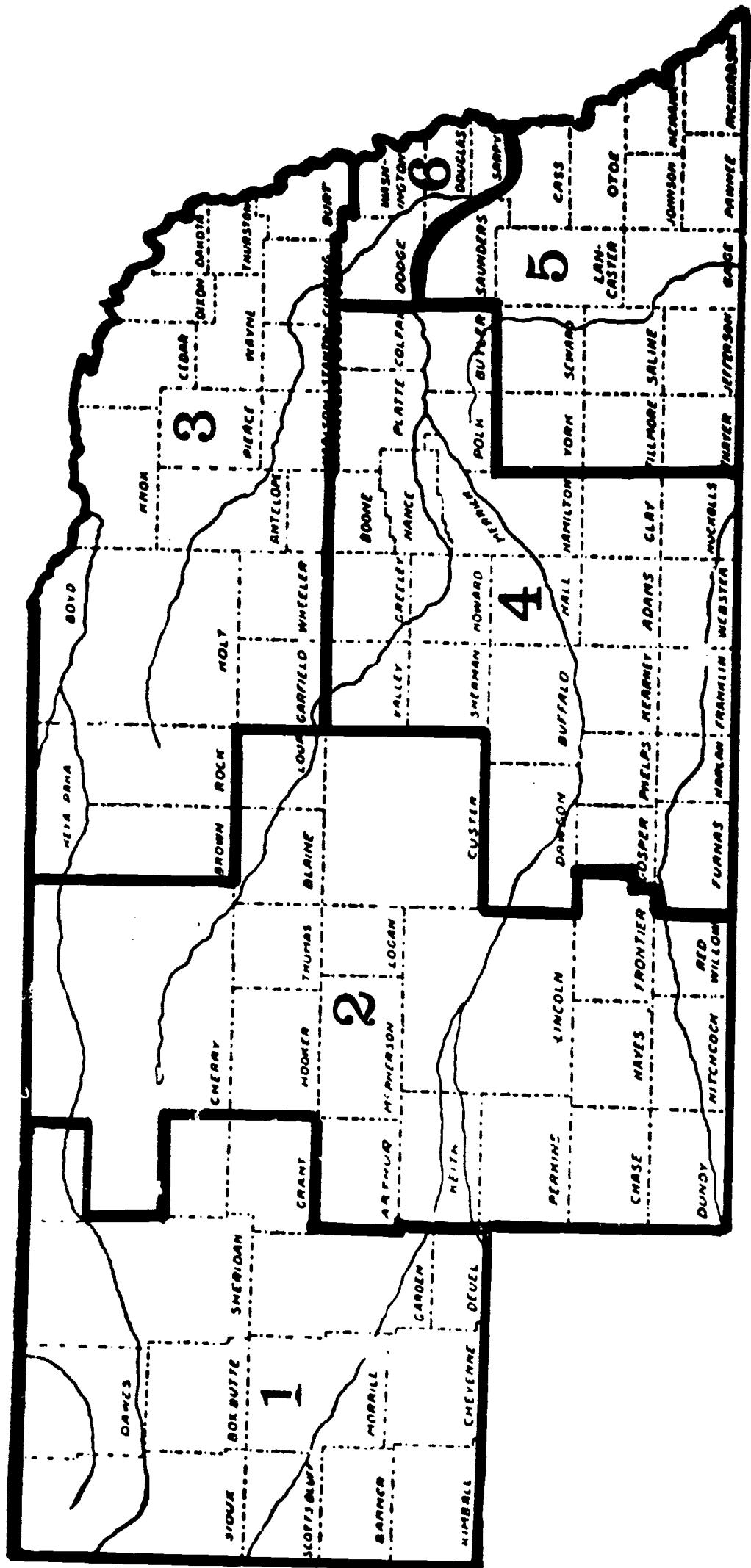
INSTRUCTIONAL TRAINING AREA	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
17.3601 Millwork and Cabinet Making	1,710	450	490
17.3699 Woodworking, Other	40	0	0
17.9900 Trade and Industrial Occupations, Other			
Totals	150,530	33,730	38,800

TABLE 30
PROJECTIONS FOR ALL OTHER OCCUPATIONS

	Projected Employment	Projected Future Needs	
		Next 12 Months	Following 2 Years
*Total of all Other Occupations for which there were no Vocational Instructional Training Programs	126,601	24,720	31,940
**Total of all Other Occupations for which there were no D.O.T. Numbers nor Vocational Instructional Training Programs	2,380	960	620
Totals	128,981	25,680	32,560

*Individual job titles identified by * in Section 1 of this Report.

**Individual job titles identified in Table 11 of Section 1 of this Report.



APPENDIX A
TECHNICAL COMMUNITY COLLEGE AREAS

1. WESTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
2. MID-PLAINS NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
3. NORTHEAST NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
4. CENTRAL NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
5. SOUTHEASTERN NEBRASKA TECHNICAL COMMUNITY COLLEGE AREA
6. METROPOLITAN TECHNICAL COMMUNITY COLLEGE AREA